

Tech Enterprise: Videoconferencing goes mainstream

READ US ON THE WEB - [www.tap.ca](http://www.tap.ca)

# The **COMPUTER PAPER** **FREE**

GRATER TORONTO EDITION SEPTEMBER 1998 VOLUME 11 NO 9

# Wanna be a Techie?



Test  
**\$1000  
PCs**



# SHORT,



ViewSonic® broke the mold with the introduction of the Short Depth PS790 Professional Screen monitor. This was the first 19" (18.0" viewable) on the market to combine the performance of big screen technology with the footprint of a conventional 15" (various viewable) CRT. Your customers will appreciate the astonishingly crisp, precise screen images enhanced by a 0.25mm dot pitch and our SuperClear™ screen technology for crisper, brighter colors.

# And to the point!

**\$75** US

Model	PS790	G790
Screen, active/display area	15" x 14.0"	18" x 12.4"
CRT Pitch	0.25mm	0.25mm
Maximum resolution	1,280 x 1,024	1,600 x 1,200
Refresh rate / Hz	1,280 x 1,024 @ 60Hz, 1,280 x 1,024 @ 85Hz	1,600 x 1,200 @ 60Hz
Low Ionization Standard	100% 30	100% 30

# SWEET,



For a sweet deal, get your hands on a high performing G790 Graphics Series 19" (18.0" viewable) monitor with ViewSonic's SuperClear™ screen technology. This monitor guarantees your customers extremely rich, bold colors – all at a price they'll appreciate.

Both these ViewSonic 19" (18.0" viewable) monitors offer features such as OnView® controls for suspension adjustments, ViewMaster® color control, 100% sRGB color treatment...and lots more. And like all ViewSonic products, the PS790 and G790 are PC and Mac™ compatible. With monitors like this, it's no wonder why ViewSonic is The Display Technology Company®.

And for a limited time, ViewSonic is putting extra cash in your pocket too can walk away with a \$75 US instant rebate for every 19" (18.0" viewable) ViewSonic PS790 and G790 monitor you purchase from August 1 through September 30, 1998. So go ahead and take advantage of this short but sweet offer. Don't walk, in your nearest distributor and see how you can fill your pockets with ViewSonic's instant rebate offer.



**ViewSonic®**

800-588-6663 • 800-765-8716 • Fax 650-748-0086

Internet: [www.viewsonic.com](http://www.viewsonic.com)

None of the described features are for the Apple Macintosh. Screen sizes and resolutions are for primary display monitors only. Refresh rates may vary with resolution. Copyright © 1998 ViewSonic Corporation. All rights reserved.

**\$75 US  
Instant Rebate**  
On the 19" PS790 and G790 you purchase  
from Sept. 1, 1998 to Sept. 30, 1998. Excludes rebates.

# Check under the hood.

WHEN YOU BUY A TOUCH, YOU KNOW  
YOU'RE GETTING A GREAT COMPUTER,  
AS WELL AS A GREAT PRICE.



Touch computers are the most important  
ingredient in the Touch Dealers All Touch computers  
are sold through a national network of friendly, local  
eligible computer dealers. They are experts who will  
help you select a Touch computer to meet your needs and  
your budget. So when you are looking for the latest  
computer, go to the dealer who specializes in Touch computers.  
Your Touch dealer is right there and ready to help.

**TOUCH DEALERS** are the most important  
ingredient in the Touch Dealers All Touch computers  
are sold through a national network of friendly, local  
eligible computer dealers. They are experts who will  
help you select a Touch computer to meet your needs and  
your budget. So when you are looking for the latest  
computer, go to the dealer who specializes in Touch computers.  
Your Touch dealer is right there and ready to help.

**SEE YOUR LOCAL TOUCH DEALER** for this  
and other great Computers from Touch.

**ASUS**  
It's what's  
Western  
Digital  
inside  
**DIAMOND**  
that  
**KOSS**  
counts.



## CHECK OUT THIS VALUE!

### TOUCH TCB 38400

- Intel® Celeron™ Processor 266 MHz
- 32 Megabyte(s) SDRAM Memory
- Western Digital® 2.0GB UltraDMA-33 Hard Drive
- Diamond 4MB AGP Video Card
- CD-ROM/DVD Drive
- 16-bit Yamaha Sound Card
- US Robotics® 96K Modem
- Realtek® Speakers
- Mouse, Floppy Drive, Keyboard
- Windows® CD, Pre-installed
- 3 Year Parts & Labor Warranty

**ONLY \$1199**  
MSRP \$1499



COMPARE TOUCH SYSTEMS AVAILABLE AT YOUR LOCAL TOUCH DEALER FOR MORE MODELS

**ASUS COMPUTER**  
10000 N. 10th Ave.  
Suite 1000  
Scottsdale, AZ 85254  
602-955-1000

**ASUS COMPUTER**  
10000 N. 10th Ave.  
Suite 1000  
Scottsdale, AZ 85254  
602-955-1000

**ASUS COMPUTER**  
10000 N. 10th Ave.  
Suite 1000  
Scottsdale, AZ 85254  
602-955-1000

**ASUS COMPUTER**  
10000 N. 10th Ave.  
Suite 1000  
Scottsdale, AZ 85254  
602-955-1000

**ASUS COMPUTER**  
10000 N. 10th Ave.  
Suite 1000  
Scottsdale, AZ 85254  
602-955-1000

**ASUS COMPUTER**  
10000 N. 10th Ave.  
Suite 1000  
Scottsdale, AZ 85254  
602-955-1000

**ASUS COMPUTER**  
10000 N. 10th Ave.  
Suite 1000  
Scottsdale, AZ 85254  
602-955-1000

**ASUS COMPUTER**  
10000 N. 10th Ave.  
Suite 1000  
Scottsdale, AZ 85254  
602-955-1000

**ASUS COMPUTER**  
10000 N. 10th Ave.  
Suite 1000  
Scottsdale, AZ 85254  
602-955-1000

**ASUS COMPUTER**  
10000 N. 10th Ave.  
Suite 1000  
Scottsdale, AZ 85254  
602-955-1000

**ASUS COMPUTER**  
10000 N. 10th Ave.  
Suite 1000  
Scottsdale, AZ 85254  
602-955-1000

Software Business Month  
East 12-34000, Specials



StarCraft is a real-time strategy game set in a sci-fi universe. It's a fast-paced, action-packed game that's perfect for fans of the genre.



Conan Super Hero is a role-playing game that lets you live out your fantasies as a hero in a fantasy world.



Wild World is a role-playing game that lets you explore a vast, open world filled with adventure and discovery.



Wild World is a role-playing game that lets you explore a vast, open world filled with adventure and discovery.



Wild World is a role-playing game that lets you explore a vast, open world filled with adventure and discovery.

Check Computer Software, call  
1-800-4-A-DEALER

Software Business Month

Software Business Month  
East 12-34000, Specials

Software Business Month  
East 12-34000, Specials



education

campus

opportunity

# CONTENTS

GREATER TORONTO EDITION • SEPTEMBER '98

## FEATURES

### TECHNICAL EDUCATION

- 35 Staging the jump to higher education
- 36 So you wanna be a teacher?  
The winding path to a technical career
- 42 The virtues of virtual ad  
Online education is gradually becoming a reality
- 50 Xerox teaches teachers to use the Web

### IT FOR THE COMMERCIAL

- 60 The joy of wire competing

### TCP ONLINE

- 52 In search of the sub \$1,800 (Cdn) PC
- 58 Sub \$1,000 (Cdn) PC chart
- 40 For a few dollars less  
Analysis of the \$1,000 PC

**Think  
It's a  
New  
Business  
Opportunity**

TECHNOLOGY SOLUTIONS FOR BUSINESS IN CANADA

- TE1 Videoc Conferencing enters the mainstream
- TE1 Legal implications of Year 2K readiness inquiries
- TE2 Canada to require fiscal report of R2K readiness
- TE3 Videoc Conferencing coming soon to a PC near you
- TE6 Core's quarterly profit vs. interesting products
- TE9 Dell plans to sell 50 percent of its PCs online
- TE13 Dynamic Web demands new tools
- TE16 Are you properly insured?
- TE22 Do you need a videoc Conferencing suite?
- TE23 Mobile computing a lifestyle thing
- TE24 Computer-based training gets wired

## NEWS & REVIEWS

### NEWS

- 74 Sony debuts NMG notebooks
- 75 Buller named President of Microsoft
- 77 Digital careers pass prices, popularity notebook
- 78 Corridor Canada  
News from the show floor: panel discussions and keynote speakers

### PERIPHERALS

- 88 Win97 Plus — and more

### SOFTWARE

- 92 Outlook 98 combines PIM, email functions
- 94 Professor PC teaches Windows 98
- 96 The Transfer, Transfer and car software

### COMING

- 93 Yahoo! Canada's educational Web site

### TECHNICAL EDUCATION

- 97 Software for cook training

### DESKTOP

- 94 The king of laptops

### GRAPHICS

- 96 Goodall offers environmental lessons
- 97 Print Artist delivers engaging craft software
- 98 Never too young for computers

### COMMS

- 99 EA lets you replay World Cup '98

### TECHNICAL

- 100 AOL's marketing genius explained
- 104 Graphix explores best of the Web
- 106 Internet Quick Course for absolute beginners
- 108 Notebook book guides AOL users at all levels

### TRAINING

- 108 Graphix with pizzazz!
- 111 Missing your own Web site: Part 2,000

### THE LAST BUT

- 120 The number of the beast

## DEPARTMENTS

- 6 From the Editor
- 6 Letters
- 9 What's New
- 134 Classified
- 134 User Groups
- 134 Calendar
- 136 Marketplace
- 136 Advertising Index

## COMING UP IN GREATER TORONTO EDITION

### OCTOBER 1998

Letters and information only (not  
advertising) • Web-based publishing  
(available online)

No Deadlines: Vol. 1, Sep. 8  
Deadlines: Vol. 1, Sep. 18

### NOVEMBER 1998

Advertising deadline for  
Digital version • Business  
opportunity page online

No Deadlines: Vol. 1, Sep. 15  
Deadlines: Vol. 1, Oct. 14

### DECEMBER 1998

Annual gift guide • Computer for Children  
Year in review • Interview with  
David Huxford

No Deadlines: Vol. 1, Oct. 31  
Deadlines: Vol. 1, Nov. 13

Call Now  
**(416) 588-1580**  
for advertising  
information



Visit TCP Online  
The Computer Paper's  
WORLD WIDE WEB SITE

**www.tcp.ca**





Continued from page 6

whether to pay for Linux, and get technical support, as discussed in live on the Internet, and act it up yourself with the help of the aforementioned "hackers" buying a good book has even beat anyone else's.

I honestly don't feel that Linux is a viable alternative for everyone, but for people out there who are considering trying Linux, but I'd like them to be able to hear these discussions on facts rather than FUD (fear-mongering).

to, and doubt) spread by Microsoft analysts. The stories Mr. Rollins described, where someone installing Linux upon our test hardware, is a good example of FUD. (Cord Price - via email)

#### Know your terminology

Regarding Jacques' August article "How you view" (PCP August 1998) some of the terminology used in the article is incorrect. Myli Mader's comment about hackers being anyone who writes programs code is incorrect.

but, it is already a statement made to make people feel good and say "I'm a hacker".

I write code for a living, even try real-time security for such a business without fail but, too I wouldn't even dream of calling myself a hacker. The term "hacker" implies a great deal of skill and dedication to finding and fixing flaws. The "good" ones who script Microsoft "test" machines is doing nothing to help expand the security of computer software.

The term "hacker" should be spelled "phacker". Number three I was once in

spelled with an "F" in place of a "ph" is an article about "hacking" at least my and see the spelling of the hacker subculture.

Additionally, I must point out another error in Mr. Mader's comments. He states that "the hacker's common" - doesn't, in help build better products. This is a definition of a true hacker. The term "cracker" was coined by hackers who didn't want the clean image of the hacker to be tarnished by the illegal activities of some of its members.

He also questions that "many of the newest breed of crackers are kids who are unaware of coding a word." Calling such kids "crackers" would be a complete flake as understood money of the "newest breed of crackers" are simply "script kiddies" - lack script kiddies merely take other people's exploit scripts and programs, and then run them blindly hoping it will work - they don't understand how to do the exploit themselves.

Finally, the article mentioned that DoS (Denial of Service) attacks are a form of hack. At the beginning of the article you stated that crackers are individuals who break into networks. Since a DoS does not involve breaking into a network, this is a glaring contradiction.

For those readers who would like to know about the new security holes being found every day and how to protect their systems from them, they could check out one of the following sites:  
<http://www.cisco.com/publications>  
[Rollins@info.com](mailto:Rollins@info.com) (editorial comment)  
 QSTI Corporation (editorial comment)  
 Andrew Mieroff

#### Has any phreaking, I say phreaking

True (phreak) phreaking has been around a long time, and it is not referred to as "hacking" but "phreaking".

As an amateur/cracker/phreaker, I do agree that the original motivation of thousands of individuals, has been replaced by greed, crime, and mischief. I attribute that to the Internet. Before, we had no Internet and therefore "the terms" work on DRIE based systems with terminals, Commodore, etc. In fact, many of the DRIE based systems through local bulletin boards, multiple meetings at computer etc. etc. You had to work on it. Now any kid can sit in front of his box and phreak. It's with a half modern and do a search for books, books, money, etc. ... and all of a sudden he's (she's) a hacker! I don't think so!

Hackers and phreakers will never go away and neither will make it easier to get in. (Linda Burt)

#### Your PC is in the mail

In considering on getting a new computer, all the prices seem to be cheaper if I order them (by mail). My dad is a little worried if his mail orders aren't "safe" - how can I convince him that mail-orders are "safe"?

Ruby Long

Hi Ruby, Mail orders are a safe order the company has a good reputation. Dell and Gateway, for example, are mail-order companies with good reputations. Dell is a safe bet.

#### Mail-order realized

I wrote earlier about how safe mail orders are and George (Riverside) replied that mail orders weren't safe unless they were bought from a company who has a good reputation. My question is [what] should have a good reputation?



New business can come fast anywhere, so to have a presence on the Internet is a smart business decision, especially as over 51% of Canadian adults have Internet access. We are here to make your business visible and accessible 24 hours a day with three affordable web hosting packages. Featuring super fast, secure reliable web servers round the clock customer support our unique site management tools, a guarantee to help you prosper online immediately, and your choice of Unix or MS platforms.

With instant activation and a 30 day money back guarantee, Dynamic Web gives your business the power to make your domain.



Microsoft  
FrontPage

Reseller Opportunities Available

Toronto • Montreal • Ottawa • Edmonton • Vancouver • Halifax

For more information, visit our website

## WEB HOSTING

LiteWeb \$34<sup>95</sup>/mo

25 POP email boxes  
100 MB of disk storage  
Unlimited monthly bandwidth

CorpWeb \$74<sup>95</sup>/mo

25 POP email boxes  
100 MB of disk storage  
Unlimited monthly bandwidth

ProWeb \$149<sup>95</sup>/mo

Unlimited POP email boxes  
100 MB of disk storage  
Unlimited monthly bandwidth

[www.dynaweb.ca](http://www.dynaweb.ca)  
1-800-383-3833

Continued on page 14





# ANNOUNCING:

ONE MONTH

# UNLIMITED INTERNET ACCESS



For Just

# 1 LOONIE!

## Dear Computer Paper Reader:

### Choosing an Internet service provider is no easy task.

That's why we've made it a whole lot easier. Join Internet Direct today for only 1 loonie. That's one month of unlimited Internet access for a dollar. There is no better way to get on the Internet: no risks, no commitments, no credit cards and a 14-day money back guarantee.

For only 1 loonie, you can find out the many reasons why 60,000 people have chosen Internet Direct, A Different Kind of Internet Company.

### Really Easy

When we started out in 1999, we did just one service with one goal in mind: getting people on the Internet the easiest way possible. We've helped tens of thousands of people get on the Internet. Our customer list includes a simple point-and-click, one-click. In fact, it's so easy to use that we have launched it to over 30 Internet companies around the world. There is no better or simpler way to get online.

Our friendly and helpful staff are available 7 days a week, 24 hours per year to help you get online.

It doesn't stop there. We offer live one-on-one support for every member. And if

you want to get beyond the basics, we have five advanced tutorials that you can also access. In addition, you'll get a helpful, easy to read, 110 page step-by-step manual to get you started on the Internet. Use it as a great reference tool - it's yours for free.

### No Busy Signals

Let's face it: no Internet service provider (ISP) can offer you a 100% busy signal that service 24 hours a day. We understand that exceptional customer service is one thing, but it's not a guarantee. At Internet Direct, we guarantee a service that is 99% busy signal free and continually strives to push that higher. In fact, we have over 6,000 digital phone lines that have earned a 99.5% busy signal free record over the last 6 months. Our record speaks for itself.

### Incredible Speed

No other provider in southern Ontario is faster than Internet Direct. Period. We connect to more backbone carriers than any other ISP in this city. And we connect to them with three T1 pipes. What does that mean to you? It means that when you go to a site on the Internet, you get to it quicker because you're on the fastest route possible. It's like having your own private lane on the 401.

Our recent connection to the "Backbone Internet Exchange" ([www.bix.ca](http://www.bix.ca)) puts you in local area even faster - meaning the telephone companies don't do it.

If you have T1 & X1, KVM-Net, or V90 modem, one digital equipment, triple T1 connection, and other special lines will ensure that you get the fastest speeds available.

Back that up with our 24-hour monitoring and daily backups, and you've got the fastest most reliable provider in Ontario.

### Tons of Free Stuff!

We love to give away free stuff. The software you receive is a collection of 200 of the latest, most popular Internet programs. Our manual is helpful and informative, with step by step instructions. You get one of Toronto's best-rated and longest web support teams, free, 7 days a week. You can share your 4 line e-mail address with your family, and receive your own 12 meg web site. And our live Internet servers are based in 3 in Ontario by Toronto (an independent rating group).

All this, and you never have to worry about a set-up fee on your unlimited access or 100-hour accounts. That's right, free set-up. Something else that sets us apart from other providers.

### Our Guarantee

Internet Direct is one of Canada's fastest-growing companies (Profile 180). It's listed among Canada's top 100, and a winner of the SOC Technology Company of the Year. As Canada's top free-standing independent Internet

service provider, we are members apart with a long tradition of giving service that Internet Direct will maintain its "no questions asked" 14-day money back guarantee. Two weeks to figure out what you'd like to do. Take the challenge and call now!

*"I'm so confident that you'll be absolutely satisfied with our service that if you're not happy with us by the end of one month, I'll refund your loonie. Your satisfaction is guaranteed. Make your hard earned dollar go further with this risk-free offer: one month of unlimited Internet access for only a dollar!"*

John A. Neumann  
President, Internet Direct  
Email: [jneumann@idirect.com](mailto:jneumann@idirect.com)



# INTERNET DIRECT

A Different Kind of Internet Company

**CALL TODAY! (416) 233-5766**

# Unlimited Internet Access

Regularly  
**\$19.99** per month

Oshawa (905) 438-4048  
Hamilton (905) 523-0111

asked@idirect.com  
sign up online at  
[www.idirect.ca](http://www.idirect.ca)



**NO COMMITMENTS! • NO CREDIT CARD REQUIREMENTS!**

# WHAT'S NEW

Continued from page 10

author of a professional studio.\*

Activating its Nintendo work at the Nintendo 64/65 hardware and software professionals has 100 of 64/65 Model with 400 subelements and 22 disks (40), as well as the option to download sounds of the user's own choice. To learn off the latest potential of the

1992 Nintendo handles a CD-ROM along with the audio card. Featuring the release of the story Final Fantasy 64 and Demon King

The 1992 is designed to be fully compatible with 2000 (over-1000) PCs, including Windows 95, 98 and NT. A maximum of 100,000 32-MHz processor is needed for full exploitation of the 3-D. Symbols of a

Fortran 32-MHz or better is required. The Windows 95/98 audio card has a suggested retail price of \$100 (US). Contact: Nintendo Inc. 414 999-0900. <http://www.nintendo.ca>

**Internet links KidLink Internet Site for family surfing.** KidLink, an online web site subsidiary of Internet Link, has

introduced KidLink Internet Site, a program designed to give parents control of the child's Internet access.

KidLink Internet Site can block access to inappropriate sites, prevent disclosure of personal information such as address and e-mail, and control which files and programs can be launched or viewed. Based on the amount of Internet logins, sites and other security information is updated. "KidLink" sites.

An intuitive user interface can be customized and offers a special Web browser suitable for children. It will also filter Windows desktop displays and accessory tools such as e-mail that are simple for children to use.

According to Joanne Thompson, KidLink's general manager, "The Internet site offers educational learning experience. Unfortunately, it can also expose children to inappropriate content. KidLink Internet Site gives parents a positive, quick and easy way to control content and Internet safety and gives children a secure and healthy place to learn and play."

KidLink runs on Windows/PCs, and has an approximate selling price of \$40. —GJ  
Contact: Internet Link Inc. 416-494-1000  
<http://www.intlink.com>

My Internet connection is too slow!  
I don't want to buy  
another Modem.

Your wish is granted!  
A 56K V.90 Modem !! For Free\*  
Call (905) 947 1801

Unlimited access for  
19.<sup>95</sup>/month

Get that Crazy Connection

**CYBERNET**  
COMMUNICATIONS INC.

- State-of-the-art 3com/US Robotics Equipment
- No busy signal policy.
- Line Ratio 7:1
- Support for new ITU V.90 Standard

An Internet Service Provider with a difference.

**FREE**  
**56K V.90 Modem**

Upon sign up for this Internet service with Cybernet for one year, we will install your modem and set-up your computer for Free\* (Value of \$100.00)

Limited Quantity

For details see any other special [www.cybernet.ca](http://www.cybernet.ca)

Cybernet Communications Inc.  
25 Amber St. Suite 107 Markham, ON L3R 9R9  
Tel: (905) 947 1801 Fax: (905) 947 1802  
[www.cybernet.ca](http://www.cybernet.ca) E-mail: [sales@cybernet.net](mailto:sales@cybernet.net)

**FREE**  
**Modem Installation**

Upon sign up for this Internet service with Cybernet for one year, we will install your modem and set-up your computer for Free\* (Value of \$25.00)

Limited time offer

For details see any other special [www.cybernet.ca](http://www.cybernet.ca)

Cybernet Communications Inc.  
25 Amber St. Suite 107 Markham, ON L3R 9R9  
Tel: (905) 947 1801 Fax: (905) 947 1802  
[www.cybernet.ca](http://www.cybernet.ca) E-mail: [sales@cybernet.net](mailto:sales@cybernet.net)

\* Some restrictions may apply call for details

**Apple shows continuing strength**

Given a continuing tradition of its being topped for turnaround, Cupertino, Calif.-based Apple Computer announced a profit of \$540.0 million for the fiscal 1998 third quarter ended June 30. The company's profit of \$55 million in the previous quarter and comes after a two-year period that saw losses totaling over \$1 billion. Revenues for this quarter were \$1.1 billion, less than half of Apple's peak quarter but nearly equivalent to the last quarter's.

According to Apple chief executive Steve Jobs, "Apple had a terrific quarter—we sold a record number of new Macintosh G4 computers, continued to grow our new PowerMac, Apple moved to higher profit in Europe, and we ended the quarter with the lowest losses ever level among the major PC players. Looking forward, Apple's improved operational efficiency has proved the way to go."



significantly weaker the previous market peak in May on Aug. 18.

The reference to the Mac and "i-mac" tag the consumer market will key to Apple's strategy for a mid-1990s recovery tide and the consolidated performance. G4 models have pretty much completed the history required to cut Apple's costs. Still, has been steadily increasing a similar control and the company is more about as long and more as possible. The next stage will be to move beyond the market of the Mac-continuing efforts but also have been the company's effort by buying new ideas every few years and had new customers, particularly by first-time buyers.

Continued on page 16



**This Advertisement Is A  
Waste Of Space.**

At Interlog Internet Services, we only need to advertise to one out of five people. That's because over 80% of our customers have joined Interlog based on a positive referral from a friend or relative already enjoying our reliable service and excellent support. If you're looking for the best ISP in town, don't take our word for it. Take our customers'.

---

**INTERLOG**  
**INTERNET**

1075 Bay St., Toronto, ON, M5S 2B1  
(416) 920-2655 ext 4200

See our customer comments online at  
[www.interlog.com/testimonial.html](http://www.interlog.com/testimonial.html)

# For Home or Back to School, IPC Has The Solution!

A Canadian company proudly serving Canadians since 1985

## IPC Select C\*266

Intel® Celeron™ processor 266 MHz

64 MB SDRAM / 20X / 2.0 GB

Intel® Celeron™ processor 266 MHz

64 MB SDRAM / 20X / 2.0 GB

100 users / 2000 estimated users

**\$999** | Only \$50 per month (33 months lease)

1 Year / 100 users / 2000 estimated users / 100 users / 2000 estimated users / 100 users / 2000 estimated users

## IPC Select C\*300

Intel® Celeron™ processor 300 MHz

64 MB SDRAM / 10X / 2.0 GB

Intel® Celeron™ processor 300 MHz

64 MB SDRAM / 10X / 2.0 GB

100 users / 2000 estimated users

**\$1299** | Only \$50 per month (33 months lease)

1 Year / 100 users / 2000 estimated users / 100 users / 2000 estimated users / 100 users / 2000 estimated users

## IPC Select 266-2

Intel® Pentium® II processor 266 MHz

64 MB SDRAM / 10X / 2.0 GB

Intel® Pentium® II processor 266 MHz

64 MB SDRAM / 10X / 2.0 GB

100 users / 2000 estimated users

**\$1499** | Only \$50 per month (33 months lease)

1 Year / 100 users / 2000 estimated users / 100 users / 2000 estimated users / 100 users / 2000 estimated users

## IPC Select 300-2

Intel® Pentium® II processor 300 MHz

64 MB SDRAM / 10X / 4X DVD / 4 GB

Intel® Pentium® II processor 300 MHz

64 MB SDRAM / 10X / 4X DVD / 4 GB

100 users / 2000 estimated users

**\$1699** | Only \$50 per month (33 months lease)

1 Year / 100 users / 2000 estimated users / 100 users / 2000 estimated users / 100 users / 2000 estimated users

## IPC Select 333-2

Intel® Pentium® II processor 333 MHz

64 MB SDRAM / 10X / 4X DVD / 4 GB

Intel® Pentium® II processor 333 MHz

64 MB SDRAM / 10X / 4X DVD / 4 GB

100 users / 2000 estimated users

**\$1849** | Only \$50 per month (33 months lease)

1 Year / 100 users / 2000 estimated users / 100 users / 2000 estimated users / 100 users / 2000 estimated users

## IPC Select 400-2

Intel® Pentium® II processor 400 MHz

64 MB SDRAM / 10X / 4X DVD / 4 GB

Intel® Pentium® II processor 400 MHz

64 MB SDRAM / 10X / 4X DVD / 4 GB

100 users / 2000 estimated users

**\$2299** | Only \$50 per month (33 months lease)

1 Year / 100 users / 2000 estimated users / 100 users / 2000 estimated users / 100 users / 2000 estimated users

### The IPC Direct Satisfaction Guarantee

If you are not completely satisfied with the personal computer you purchase from IPC Direct, simply return it within 30 days for a FULL refund. Some restrictions apply, please ask your representative for details.

### The IPC Direct Advantage

- Canadian built quality
- Toll Free nationwide tech support
- 3 Year warranty with 24 hour on-site service
- Nationwide presence

**IPC**  
PERSONAL  
COMPUTERS

Call us Toll Free at  
**1.888.446.4472**  
or visit us at [www.ipc.ca](http://www.ipc.ca)

### Notebook Madness!

Intel® Pentium® III processor 450 MHz

64 MB SDRAM / 10X / 4X DVD / 4 GB

Intel® Pentium® III processor 450 MHz

64 MB SDRAM / 10X / 4X DVD / 4 GB

100 users / 2000 estimated users

**\$1777** | \$50 per month (33 months lease)

1 Year / 100 users / 2000 estimated users / 100 users / 2000 estimated users / 100 users / 2000 estimated users

A Canadian company proudly serving Canadian Business since 1985.

A Canadian company proudly serving Canadian Business since 1985.

Journal of Management Education 33(1) 10-20

[illegible]

**Table 1**

**\$1599** Only \$199 per month available in select areas.

1. **Identify the problem.** The first step is to identify the problem. This involves understanding the symptoms and the context in which they are occurring.

## Intel® Pentium® II processor 400 MHz

DOI: 10.1002/for

<http://www.sagepub.com>

**\$1799** | Only \$187 per month  
with required full-term lease

1. **General Information:** Name: \_\_\_\_\_, Address: \_\_\_\_\_, City: \_\_\_\_\_, State: \_\_\_\_\_, Zip: \_\_\_\_\_  
 2. **Phone Number:** \_\_\_\_\_  
 3. **Business Name:** \_\_\_\_\_  
 4. **Business Address:** \_\_\_\_\_, City: \_\_\_\_\_, State: \_\_\_\_\_, Zip: \_\_\_\_\_  
 5. **Business Phone:** \_\_\_\_\_  
 6. **Business Fax:** \_\_\_\_\_  
 7. **Business Email:** \_\_\_\_\_  
 8. **Business Website:** \_\_\_\_\_  
 9. **Business Description:** \_\_\_\_\_  
 10. **Business Hours:** \_\_\_\_\_  
 11. **Business Type:** \_\_\_\_\_  
 12. **Business Size:** \_\_\_\_\_  
 13. **Business Age:** \_\_\_\_\_  
 14. **Business Industry:** \_\_\_\_\_  
 15. **Business Sector:** \_\_\_\_\_  
 16. **Business Category:** \_\_\_\_\_  
 17. **Business Subcategory:** \_\_\_\_\_  
 18. **Business Keywords:** \_\_\_\_\_  
 19. **Business Tags:** \_\_\_\_\_  
 20. **Business Notes:** \_\_\_\_\_

bioRxiv preprint doi: <https://doi.org/10.1101/2019.05.20.254411>; this version posted May 20, 2019. The copyright holder for this preprint (which was not certified by peer review) is the author/funder, who has granted bioRxiv a license to display the preprint in perpetuity. It is made available under aCC-BY-NC-ND 4.0 International license.

**THE NEW YORK PUBLIC LIBRARY**



© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 111–118

**\$1999** (Only \$1999 for 4 weeks)  
at participating retailers. Limit 1.

1. **Identify the problem.** The first step is to identify the problem. This involves understanding the situation, the people involved, and the goals that need to be achieved.



Journal of Management Inquiry 25(1) 100-110

1.2.2.2. *Phylogenetic analysis*

[illegible]

Health Promotion program will [help](#) [you](#) [live](#) [better](#) [and](#) [longer](#) [with](#) [the](#) [best](#) [health](#) [care](#) [and](#) [wellness](#) [resources](#) [available](#) [today](#).

2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099 2100 2101 2102 2103 2104 2105 2106 2107 2108 2109 2110 2111 2112 2113 2114 2115 2116 2117 2118 2119 2120 2121 2122 2123 2124 2125 2126 2127 2128 2129 2130 2131 2132 2133 2134 2135 2136 2137 2138 2139 2140 2141 2142 2143 2144 2145 2146 2147 2148 2149 2150 2151 2152 2153 2154 2155 2156 2157 2158 2159 2160 2161 2162 2163 2164 2165 2166 2167 2168 2169 2170 2171 2172 2173 2174 2175 2176 2177 2178 2179 2180 2181 2182 2183 2184 2185 2186 2187 2188 2189 2190 2191 2192 2193 2194 2195 2196 2197 2198 2199 2200 2201 2202 2203 2204 2205 2206 2207 2208 2209 2210 2211 2212 2213 2214 2215 2216 2217 2218 2219 2220 2221 2222 2223 2224 2225 2226 2227 2228 2229 2230 2231 2232 2233 2234 2235 2236 2237 2238 2239 2240 2241 2242 2243 2244 2245 2246 2247 2248 2249 2250 2251 2252 2253 2254 2255 2256 2257 2258 2259 2260 2261 2262 2263 2264 2265 2266 2267 2268 2269 2270 2271 2272 2273 2274 2275 2276 2277 2278 2279 2280 2281 2282 2283 2284 2285 2286 2287 2288 2289 2290 2291 2292 2293 2294 2295 2296 2297 2298 2299 2300 2301 2302 2303 2304 2305 2306 2307 2308 2309 2310 2311 2312 2313 2314 2315 2316 2317 2318 2319 2320 2321 2322 2323 2324 2325 2326 2327 2328 2329 2330 2331 2332 2333 2334 2335 2336 2337 2338 2339 2340 2341 2342 2343 2344 2345 2346 2347 2348 2349 2350 2351 2352 2353 2354 2355 2356 2357 2358 2359 2360 2361 2362 2363 2364 2365 2366 2367 2368 2369 2370 2371 2372 2373 2374 2375 2376 2377 2378 2379 2380 2381 2382 2383 2384 2385 2386 2387 2388 2389 2390 2391 2392 2393 2394 2395 2396 2397 2398 2399 2400 2401 2402 2403 2404 2405 2406 2407 2408 2409 2410 2411 2412 2413 2414 2415 2416 2417 2418 2419 2420 2421 2422 2423 2424 2425 2426 2427 2428 2429 2430 2431 2432 2433 2434 2435 2436 2437 2438 2439 2440 2441 2442 2443 2444 2445 2446 2447 2448 2449 2450 2451 2452 2453 2454 2455 2456 2457 2458 2459 2460 2461 2462 2463 2464 2465 2466 2467 2468 2469 2470 2471 2472 2473 2474 2475 2476 2477 2478 2479 2480 2481 2482 2483 2484 2485 2486 2487 2488 2489 2490 2491 2492 2493 2494 2495 2496 2497 2498 2499 2500 2501 2502 2503 2504 2505 2506 2507 2508 2509 2510 2511 2512 2513 2514 2515 2516 2517 2518 2519 2520 2521 2522 2523 2524 2525 2526 2527 2528 2529 2530 2531 2532 2533 2534 2535 2536 2537 2538 2539 2540 2541 2542 2543 2544 2545 2546 2547 2548 2549 2550 2551 2552 2553 2554 2555 2556 2557 2558 2559 2560 2561 2562 2563 2564 2565 2566 2567 2568 2569 2570 2571 2572 2573 2574 2575 2576 2577 2578 2579 2580 2581 2582 2583 2584 2585 2586 2587 2588 2589 2590 2591 2592 2593 2594 2595 2596 2597 2598 2599 2600 2601 2602 2603 2604 2605 2606 2607 2608 2609 2610 2611 2612 2613 2614 2615 2616 2617 2618 2619 2620 2621 2622 2623 2624 2625 2626 2627 2628 2629 2630 2631 2632 2633 2634 2635 2636 2637 2638 2639 2640 2641 2642 2643 2644 2645 2646 2647 2648 2649 2650 2651 2652 2653 2654 2655 2656 2657 2658 2659 2660 2661 2662 2663 2664 2665 2666 2667 2668 2669 2670 2671 2672 2673 2674 2675 2676 2677 2678 2679 2680 2681 2682 2683 2684 2685 2686 2687 2688 2689 2690 2691 2692 2693 2694 2695 2696 2697 2698 2699 2700 2701 2702 2703 2704 2705 2706 2707 2708 2709 2710 2711 2712 2713 2714 2715 2716 2717 2718 2719 2720 2721 2722 2723 2724 2725 2726 2727 2728 2729 2730 2731 2732 2733 2734 2735 2736 2737 2738 2739 2740 2741 2742 2743 2744 2745 2746 2747 2748 2749 2750 2751 2752 2753 2754 2755 2756 2757 2758 2759 2760 2761 2762 2763 2764 2765 2766 2767 2768 2769 2770 2771 2772 2773 2774 2775 2776 2777 2778 2779 2780 2781 2782 2783 2784 2785 2786 2787 2788 2789 2790 2791 2792 2793 2794 2795 2796 2797 2798 2799 2800 2801 2802 2803 2804 2805 2806 2807 2808 2809 2810 2811 2812 2813 2814 2815 2816 2817 2818 2819 2820



1000

[illegible]

**What's included:**  
 1 pc 19" Black-Edge Screen with 1.2" bezel  
 2 pc 19" 15" Black-Edge with 1.2" bezel  
 1 pc High-End 19" 15"  
 2 pc 19" 15" 15"

**What's included:**  
 1 pc 19" Black-Edge Screen with 1.2" bezel  
 2 pc 19" 15" Black-Edge with 1.2" bezel  
 1 pc High-End 19" 15"  
 2 pc 19" 15" 15"

Package Price  
**\$5899\*\***  
at \$100/month D&C

Model estimated (2) coefficients for only 1000 iterations (1000) for each case of 1000

A complete inventory of software solutions for small businesses with 20 or less PCs. IFC will assist you in setting up your network, regardless of what range you are in. Our trained consultants will spend the time to get to know you... and your company's needs, look new and in the future. IFC is 1992-1993 certified, and is now serving the Canadian market since 1993. With 8 locations across Canada to serve your needs, we naturally will offer technical support, **1 year parts & labour warranty (with 1 year on-site) and on-call/24 hr 30 day money-back guarantee** (terms and conditions) - all IFC. Please Contact Sales/Service @ 1-800-363-3636.

*Letting it be deductible for business purposes? The who pay more taxes? Letting your next personal computer entry through EPC World, (people you can trust)*

**Learning:** not deductible for business purposes? Or: why pay more taxes? Learn how to use personal exemptions with Form 1041. Don't waste your tax!

*All IPC systems are Year 2005 (VDE) Compliant and qualify for  
Federal Government Tax Relief incentive programs.  
And your convenience today!*

Call us toll free at

1.888.446.4472

or visit us on the web at [www.ipc.ca](http://www.ipc.ca)

**The IPC On-line Store ... Coming Soon!**

[Home](#)
[About Us](#)
[Contact Us](#)
[Privacy Policy](#)
[Terms of Service](#)
[FAQ](#)
[Sitemap](#)





# Staging the jump to higher education

By Bruce Allen Thomson

You have to drill through mud and water to get oil, you have to sift through sand and silt to get gold, you have to chop and hack through stone to get diamonds—so why do so many people feel that the measure of ideas should come to them with little or no effort?"

—Gilbert & Sullivan

Higher technology and knowledge-based user industries have led job creation in Ontario in the last decade according to the provincial government. Tens of thousands of new jobs created have come from three sectors although they account for only 40 percent of employment in Ontario.

British Columbia also has a very large high-tech industry. In fact, the B.C. Technology Industry Association (BCITA) says the high-tech industry in B.C. is larger than "Ontario" has a particular concern to recognize that's why it's called "Ontario Industry" in B.C. A 1997 Report Level stated "We are dealing with an industry that, at the end of 1997, is estimated to employ 37,000 people to several thousand companies" meaning over \$7.5 billion in revenue. "The report also says the number of direct employees contribute 'many times more to B.C., including 'Ontario' than the rest of Canada."

BCITA can be approached for more insight in Canada, but to access these jobs, students have to find their skill and aptitude and a disciplined way to university or college when getting prepared for high demand areas of study like computer science or electrical engineering can be a task on its own.

It is a challenge for the student who is not a high school because they have to be prepared when you need to work like a team, respect your teachers and make yourself go to find the college or university program of choice.

The goal of a university education is doing each year and \$12,000 annually for tuition, room and board, books, food, transportation and a lot of spending money is not out of sight for parents as students in need. Since this potentially creates barriers, doing a lot of preparation can be a smart investment.

After getting into university to college the most parents of high school students are at the challenge that it is today they will find computers and the internet often more than just a little help in what can be an overwhelming task for both parents and kids.

But first let me present some basic rules, no color, no, and it is crucial through this process in the past year in the end with a combination of hard work and luck, he got the university and parents all his stress, however, in college, he should have what all much better.

There are two distinct hurdles to be overcome to get into university or college education. The first is to get together the best possible score for the high school years including course taken, grades, work or volunteer experience activities and awards. The second is choosing one or three schools that match the student's interests and aspirations. Choosing goals will be a lot easier if kids have a clear view of where they are going and what they want to achieve to get there.

## Choosing a college or university

### Compu-Reader '99

From: <http://www.compu-reader.com>  
For: Macintosh  
Price: \$14.95 (includes shipping)

### School Finder

From: <http://www.schoolfinder.com>  
For: Windows  
Price: \$10.00

### Scholarship Finder

From: <http://www.scholarshipfinder.com>  
For: Windows  
Price: \$10.00 (includes 1 year subscription to <http://www.scholarshipfinder.com>)



could write long-term scholarship or be active even at the beginning of the year. Find this at <http://www.scholarship.com>

High Information Publishing, the developer of Campus Reader '99, also publishes many detailed products: School Finder and Scholarship Finder which are designed for school counseling services. Check to see if your child's school subscribes to the service. The information is an extension of Campus Reader. School Finder also contains content and listings on community colleges as well as career colleges and universities. The information is a great place to discover more about Campus Reader which does not have this feature.

Many scholarships are listed in Scholarship Finder also from High. Some of this money goes to helping money because students do not need it. It is available. This includes database with 20,000 listings can be a great time. Additionally, students may subscribe from home to High's Scholarship Web site at <http://www.scholarshipfinder.com> (400 to 10 teaching). Schools that list in School Finder also receive a subscription to the Web site.

High also publishes a handful of CDs on individual colleges and universities such as Carleton, York, and the University of Toronto.

## Courses and grades

### Calculus I & II

From: <http://www.math.com>  
English  
For: CD-ROM (covering calculus, algebra, and trigonometry). Also available in French and audio recording.  
Mathematics  
For: CD-ROM (covering calculus, algebra, and trigonometry). Also available in French.

### High School

For: CD-ROM (covering algebra, trigonometry, geometry, word problems, and science). Also available in French.  
Calculus I & II, Differential Equations, Statistics  
For: CD-ROM

From: <http://www.college.com>  
For: Windows 3.11 or later  
Direct price: \$24.95 (plus shipping and tax)

### High School Advantages, Deluxe

From: <http://www.college.com>  
For: Windows 3.11 or later  
Direct price: \$24.95 (plus shipping and tax)

### Math Advantages, Deluxe

From: <http://www.college.com>  
For: Windows 3.11 or later  
Direct price: \$24.95 (plus shipping and tax)

### Higher Score Guaranteed

From: <http://www.college.com>  
For: Windows 3.11 or later  
Direct price: \$24.95 (plus shipping and tax)

### Higher Score Guaranteed

From: <http://www.college.com>  
For: Windows 3.11 or later  
Direct price: \$24.95 (plus shipping and tax)

### Inside the SAT/PSAT

From: <http://www.college.com>  
For: Windows 3.11 or later  
Direct price: \$24.95 (plus shipping and tax)

# How to make the Net work. At work.

*Get the Internet working  
for your business with  
Netcom@Work. It's  
everything you need  
to get your business on  
the Net, in one simple,  
easy-to-install package.*

*Netcom@Work will  
make the Net a strategic,  
competitive business tool.*



Communicate  
with customers  
and colleagues.



Market your  
business using  
your own web site.



Service your  
customers  
with product  
information.



Answer frequently  
asked questions.



Keep in touch  
with news,  
business  
and financial  
information.



Research  
competitors and  
industry events.



## Netcom@Work

*Everything you need to get your business on the Net*



Internet Access  
Includes 30 days (70%) & 2000

Free One Month Offer  
with a promotional code

Free Custom Email Address  
great@yourcompany.com

Free Internet Address  
Registration  
2000 Internet 2000 Free

Free Netcom@Work  
Manual, CD and DVD

Includes 2000 Business Guide

Internet Software & Tools  
Includes: Visual Page and more

Guaranteed Service  
24/7 Free Customer Support  
24/7 Technical Support

# Internet

Business Kit

Canadian Version

## Netcom

Canada

[www.netcom.ca](http://www.netcom.ca)

**FUTURE SHOP**  
A Best Buy Company

**RadioShack**  
A Best Buy Company

**COMPUSTORE**

**STANDARD DEPOSIT**

**Best Buy**



# NEED FOR THE SPEED?

— Insure that has made us the most outstanding computer company in the industry.

## THE UPGRADE CAPITAL OF THE WORLD

IBM, the IBM logo, and the IBM Business Partner logo are trademarks of International Business Machines Corporation. Pentium is a registered trademark of Intel Corporation. MMX is a registered trademark of Intel Corporation. All other trademarks are the property of their respective owners.

	IBM 233MMX	Pentium® 233MMX™	Pentium® II 233MHz	Pentium® II 266MHz	Pentium® II 300MHz	Pentium® II 333MHz
ANT 486	\$195	\$295	\$395	\$445	\$695	\$845
Pentium 75	\$79	\$205	\$385	\$435	\$685	\$835
Pentium 100	\$69	\$195	\$375	\$425	\$675	\$825
Pentium 120	\$59	\$185	\$365	\$415	\$665	\$815
Pentium 133	\$10	\$175	\$355	\$405	\$655	\$805

**ANT DESKTOP: IBM, COMPAQ OR ANY BRAND NAME TO IBM 233MHz MMX™ ONLY \$295**

*Upgrades IBM Processor 233MHz MMX • New Motherboard • 8MB 1 x16 PCI Video Card • Mid Tower Desktop Case*

Optional upgrades are not available except for Ant customers with Gold and Platinum Member IBM Client Services Service Plan.

ALBUQUERQUE	ATLANTA	BOSTON	CHICAGO	DALLAS	DENVER	HOUSTON	LOS ANGELES	MIAMI	MINNEAPOLIS	NEW YORK	PHILADELPHIA	PORTLAND	SAN FRANCISCO	SEATTLE	SILICON VALLEY	WASHINGTON	WICHITA	WINTERS	YAKIMA	YONKERS
1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111	1-800-722-1111

**IMPORTANT: FOR THE BEST SERVICE PLEASE CALL THE BEST LOCAL OFFICE.**

**NOTE: SERVICE CENTER HOURS: 9AM-5PM, MONDAY TO FRIDAY.**



### Staging the jump

Continued from page 24

to: 817-434-2282  
 info@harcourt.com  
 For Windows (Macintosh): Windows only (Macintosh)  
 1-877-644-2282 (US phone) 1-888-644-2282 (US phone)

**Classroom series**  
 From Communication  
 Tel: 705-775-0423 info@harcourt.com  
 Email: [Classroom@harcourt.com](mailto:Classroom@harcourt.com)  
 For Windows/Mac

ment, great too, since a teacher might sit up on this. This can be an advantage for students studying SAT or ACT college entrance tests, required by nearly all American universities. Many Canadian universities will also look favourably on a high score on these exams, so it is worthwhile sending the results in if the student takes the tests anyway. Tests also are available to many other in Canada. Apply through your high school.

There are also specific tutorials for SAT and ACT. These are important because American

high schools are much more likely to take students standardized multiple-choice tests during their school career. Easy exams or written answers-essays come in Canada, however. To knowing strategies for writing multiple-choice tests and coming up on multiple-choice and multiple-choice strategy if you are not confident, can improve scores by five to 10 percent with little 50 hours of practice.

Canadian Students can proceed up with Kaplan to introduce tutorials for time exams called the Kaplan Test Preparation Series.

These include the business Higher Score Guaranteed in the SAT, PSAT & ACT in the Deluxe Version.

The difference is that the former contains two CD-ROMs of test preparation, the latter provides for three extra CD-ROMs (Business Measure) Guide to over 1,600 colleges and universities, an intensive study skills improvement program and a comprehensive financial aid and scholarship guide. Of course these are applicable only to American schools.

Continued on page 32

One is to choose if a teacher is prepared. Some students can stomach their last couple of years of high school to match entrance requirements. It is heartbreaking to see kids who decide they want to be engineers find that without calculus they don't have a chance of being accepted. This is why parents, going and considering need to coordinate their efforts.

Going to school (USA) (www.gpsa.ca) to find university Web sites is a good place to start. Most schools have a reference site with information on student days, when to contact and how to get there. Student days give kids a taste of what university is like and hopefully a chance to ask questions and meet with admissions and department representatives. It helps make the unknown known and can help students understand the process. The Guide to College Web pages have more details about admissions programs that student counselors may not have recently required materials for one place-to-visit schools.

By connecting the admissions departments of each university to college via email, you can find out the current status for entrance and what classes are required for a particular major. Some provinces, such as Ontario, have online university applications and provide a manual with the information to it. <http://www.ouac.on.ca>

CD-ROMs can be used to prepare materials and add more preparation for students. My own son taught himself calculus and used Wolfram's Calculus II. It is a program for a single computer this spring to prepare for the University of Toronto's Entrance Course in Mathematics. It improved his mark by about 20 percent. His only regret is that he had not run through the company's engineering manual to brush up on the previous year's math.

Calculus offers a full range of materials, from writing essays papers to math as far as physics, chemistry and biology do. Both junior high and high school. Each new edition is richer and features more content. The latest edition guides to the best and Internet site appropriate for the topics covered in the application. However, the standard edition can be just as useful as a home page.

The math and physics materials present problems and give students a chance to solve them. It can be an excellent program to discuss the solution in a course problem. If the student still finds to gain the problem, it provides the solution. If this doesn't work, the program then goes forward a detailed explanation of the concepts, how to apply them and how to solve the problem. Providing that a student makes the effort to do some calculations, they are made to see (perhaps) that a lesson and are motivated. As students can get them any day. They can discuss classroom work when students are having trouble or be used for review.

Excel software also handles several CD-ROMs for high schools. These are a bit

# Internet: need a little direction?

Getting your business online can sometimes be confusing...

Imaginet Communication Group specializes in working with businesses across Canada to implement the Internet into the daily business cycle. We provide free consultation to ensure a clear understanding of your present and future Internet requirements, providing a solution that will grow with your business strategy.

- 56K home and business dial-up connectivity from \$99.95/month
- High speed ISDN "dial on demand" from \$149.95
- Complete web hosting services on our Sun or Windows NT servers from \$24.95/month
- Free mailing at any multiple locations
- Multiple offices? No problem with over 25 Imaginet locations across the country and growing!

Call Imaginet today at (416) 977-8106.

and leave the rest to us.

dedication...Imaginet that

**imagi.net**  
 www.imagi.net INTERNET ACCESS







**Abstract**

© 2004 Blackwell Publishing Ltd, *Journal of Internal Medicine* 255: 111–117



# Does your ISP deliver?

Is your Internet Service Provider realistic about what it takes to give you the service you need and still stay in business?

At Pathway, we don't take shortcuts. We don't offer "free" trial accounts, "money-back" guarantees or "unlimited access" at impossibly low rates. We charge a setup fee because there is a cost involved in setting up your account. And because you've paid for our service, we make sure you get service, not busy signals—no matter when you call.

At Pathway, our customers depend on us—for their businesses and for their personal relationships. They know that when they dial in, we'll all be here; that their E-mail address will be the same tomorrow as it is today; that when they have a technical problem, well-trained, polite staff are always available.

That's why our customers recommend over 70% of our new clients to us. We're very

proud of that. We work hard at maintaining quality, and it shows in our service.

It shouldn't surprise you then, that Pathway is the only Internet service provider anywhere in the world to be certified with the ISO 9002 quality system. And we exceed this distinction and we maintain it.

And while we make sure that our customers get the best value for their money, we also make sure we're turning a profit. Because if we didn't we wouldn't be in business.

So, if you want the cheapest deal in town or Internet access at cut-throat rates, be prepared to look for it again in a month or two when your provider goes out of business. If you want service you can rely on today, tomorrow and always, come to Pathway.

Before you get virtual, get real!



PLAN 1	PLAN 2	PLAN 3	CORPORATE PLAN 4	FOR YOUR BUSINESS
35 Connections (M)	105 Connections (M)	Unlimited	Unlimited	Personalize your e-mail and we'll add more on Plan 1, 2 or 3 for just \$34/mo.
\$9.95	\$19.95	\$25.95	\$79.95	
\$99.00	\$199.00	\$279.00	\$799.00	

One-time set-up fee for individuals \$28, corporate \$75. E-mail, www, telnet and other services included with all plans.

Set-up and registration fees apply.

NEW

## INTERNET ACCESS FOR YOUR COMPANY

Join some of Canada's best-known and most prestigious companies who have acquired Internet services from Pathway Communications. Whether you require dial-up access or a dedicated ISDN connection (from 64 kb ISDN to a full T1) Pathway can help your company harness the incredible power of the Internet. Our low-cost dial-up Corporate Premium Plan 4, for example, offers your company professional, custom E-mail and WWW addresses as follows:

[yourname@yourcompany.com](mailto:yourname@yourcompany.com) and [www.yourcompany.com](http://www.yourcompany.com)

With this Plan, you also receive four additional E-mail accounts, space on our fast Sun servers for secure, encrypted, online electronic transactions and a custom domain name\*—all for an unbeatable price.

\*Domain registered in Canada

Call Today  
416 214-6363

pathway  
COMMUNICATIONS

Now available in Hamilton and Burlington 905 570-8789

<http://www.pathway.com> e-mail: [info@pathway.com](mailto:info@pathway.com) • 1 Yonge Street, Suite 3225, Toronto, Ontario M5T 1G7

## Is your mouse for a teacher?

Continued from page 24

to connect their computer control system to power systems and industrial education or telecommunications technology.

Interconnect Networks' involvement is mostly in safety. Certification courses are being offered by both public and private schools. These courses can take six weeks to two years, after which the students must visit a certified testing centre to be tested.

At Middlesex Nat College the 20-week full-time course costs \$17,000. But then, students get to live and learn at Microsoft campus. Every Friday they arrive and take one of the five "networks" buses. "They don't have difficulty to get to campus again. As well as the class of 100 students, everyone they are studying will be taught everything they need to know to use the Microsoft Certified System Engineer (MCSE) exam. Campus life then is enhanced by Microsoft and to July 2000, Internet classmate and 2000.com. The Web page states the Canadian education network, presents it in the form of 2000 plus the Web page project manager at Middlesex Nat College approves the opportunities and then is ongoing.

But is the course worth learning? (Could you write the exam without the course?) "Yes, you could, but you'd prove you're the real deal and it costs a \$100 each time," says Wright. The certificate that the kids are very difficult and they change every day. "This class is really tough, due to why MCSE is valuable."

According to Wright, employers need to be someone based on a resume but based on the way you're motivated and the next day class. "With MCSE, employers know you really know your stuff." In his experience employers ask for two weeks' certification and a degree course.

You will encounter some students who offer network certification training. It is like in the days Wright says those courses are only of use if you have extensive experience and training, and simply need to prep for the exam. Otherwise you need to supplement the course with months of self-study only.

Wright often training and self-learning are possible from online courses, computer based training software, night school, mail order and seminars. However, and he says you can't have any but an open mind as a teacher who offer network certification training. It is like in the days Wright says those courses are only of use if you have extensive experience and training, and simply need to prep for the exam. Otherwise you need to supplement the course with months of self-study only.

And that brings us to the question—do you need a degree to get a good job? David Hoffman, a Canadian company specializing in business and technology management software for business using Microsoft's Business, French version of Microsoft's Business, says programmers and software engineers (their job categories where demand is highest) must have a degree to be hired. "In this case we are degree biased."

But the odds "Although you receive a hard job in the paper looking for the highly trained technical professionals, companies like those could take away the hard." For example, Hoffman says applicants that have a network certificate, the MCSE, but no university degree.

It is clear Hoffman is not necessarily more and more discouraging with regard to the demands of their applicants. It also seems the current shortage is actually focused in very specific areas relating to software programming and network management.

Not all teachers are equal

One important point to remember is

Continued on page 26



**Order  
Toll-Free!**  
**1-800-572-7131**  
Next Day Delivery  
anywhere in  
Canada!

The **NOTEBOOK** Store  
A MICROBARNES/DUSE Company  
Canada's Notebook and Portable Specialists

YOUR #1 SOURCE FOR PC HARDWARE, SOFTWARE & SUPPLIES!

**Powerful Pentium Notebooks!**

as low as **\$1799!**

**Satellite™ 2000CS**  
233MHz Pentium® w/MMX™  
32MB, 3.5GB, 28KCD, 12.1" CRT

only **\$2199!**



**Satellite™ 2000CS**  
233MHz Pentium® w/MMX™  
32MB, 3.5GB, 28KCD, 12.1" CRT

only **\$2649!**



**Toshiba Satellite™ 2500CDS**  
233MHz Pentium® w/MMX™ 32MB, 3.5GB, 28KCD, 12.1" Enhanced S/M Color Display  
Microsoft® Windows 95 only \$1799!

Other System sold

**Toshiba Satellite™ 3000C01**  
233MHz Pentium® w/MMX™ 32MB, 3.5GB, 28KCD, 12.1" Active Matrix Colour Display only \$2799!



**ThinkPad 2855D**  
233 Pentium® w/MMX™  
32MB, 3.5GB, 28KCD, 12.1" TFT

only **\$2839!**



**ThinkPad 2855D**  
233 Pentium® w/MMX™  
32MB, 3.5GB, 28KCD, 12.1" TFT

only **\$2979!**



**Imega Zip Drive**

only

**\$169<sup>95</sup>!**



**HP DeskJet 340C**

only

**\$379<sup>95</sup>!**



**USRobotics V.90**

**56K Modem**

only **\$209<sup>95</sup>!**



Call for a  
**FREE**  
Catalogue!



**Compaq Armada 1700BM**  
233 Pentium® II  
32MB, 3.5GB, 28KCD, 12.1" Active Matrix Colour Display

only **\$4199!**



**New! APC 200VA BackUPS**

APC only

**\$114<sup>95</sup>!**

Complete BackUPS  
& Surgeout Protection!



**HP LaserJet 6L Printer**

only

**\$529<sup>95</sup>!**



Prints on letterhead, envelopes, transparencies and cardstock

Packed  
with great  
notebooks, desktops,  
peripherals & software!  
Subscriber Only!

**Satellite Pro™ 480C01**  
233 Pentium® II  
32MB, 3.5GB, 28KCD, 12.1" TFT

only **\$4199!**



**ThinkPad 270**  
233 Pentium® w/MMX™  
32MB, 3.5GB, 28KCD, 12.1" TFT

only **\$4999!**



**Ivora™ 7000V0**  
200MHz Pentium® II  
64MB, 3.5GB, 28KCD, 12.1" TFT

only **\$7599!**



**CORPORATE, EDUCATION, GOVERNMENT**

- Dedicated Sales Professionals
- Special Academic & Government Pricing
- On-Site Lensing & Fast Credit Approval
- Software Licensing Programs

**Call 1-800-603-8966 today!**

**The NOTEBOOK**  
Specialized Computers & Peripherals

**VISIT ONE  
OF OUR  
RETAIL  
SHOWROOMS!**

**4000 Sheppard Ave. E.**

at the intersection of Sheppard Ave. E. & Midland Ave.



Local Store Phone: (416) 490-8800  
Hours: Monday - Friday 10am - 7pm  
Saturday 10am - 6pm, Sunday 11am - 6pm

**8531 Queen St. E.**

at the intersection of Queen St. E. & Midland Ave.



Local Store Phone: (416) 490-8800  
Hours: Monday - Friday 10am - 7pm  
Saturday 10am - 6pm, Sunday 11am - 6pm

# Sound

## BLASTER

# Live!



## Environmental Audio

Experience the most powerful sound card ever! Sound Blaster Live! introduces a new dimension of audio by including features and performance surpassing professional Hollywood-quality audio equipment. Sound Blaster Live! incorporates the superior surround-sound rendering of Environmental Audio™ to create sound so real it has to be Live! With an amazing 156 voices of music synthesis and real-time audio enhancement, enjoy live concert-like music productions so dynamic, you'll feel like you're right in the middle of an orchestra. The Sound Blaster Live! hardware-accelerated Environmental Audio Extensions™ (EAX™), supporting new titles, offers an experience that goes way beyond 3D audio. Add the ability to enhance all your existing games and legacy audio with true digital processing. It will blow your home theater away!



**Environmental  
Audio™**  
by CREATIVE



# dio — So Real It Has To Be Live!

## Benefits of Sound Blaster Live!

### High-Speed Quality Audio Re-Creation

Professional-grade synthesizers and digital I/O provide audio fidelity that rivals more expensive analog cards.

### Powerful Audio Processing Engine

With its 128,000+ audio processing every signal is processed in 2048, 16-bit 48kHz, allowing Blaster Live to deliver the most accurate reproduction of any audio source.

### Environmental Audio Balance Enhancing Control

Superb digital and analog filters enhance 3D audio. Apply precise environmental audio re-creation for your existing games and applications for unrivaled 3D sound.

### Multiple Speaker Output

Flexible surround sound modes on your PC with built-in support for most of the leading systems.

### Digital I/O Card

Two high-speed serial interface digital I/O ports (I/O) and a USB port (I/O) through I/O ports (I/O) are provided. A digital I/O connector is provided for further expansion of your digital audio system.

### 256-MHz Stereo Synthesis

Superb 256-MHz stereo synthesis provides the quality and performance needed in most professional music applications.

### Sound Blaster PCI Standard

By virtue of its product Sound Blaster Live! compatibility with existing PCI slots of the PCI bus.

### Environmental Audio Enhancement! Sound Driver Support

An open standard that allows the Sound Blaster Live! drivers to support all systems.

### Sound Blaster Live! Website

Visit the website for support, updates, and the latest applications, enhancements, and drivers.

### Rock Software Support

An amazing array of software to match your enjoyment with Sound Blaster Live!

**CREATIVE**

[WWW.SOUNDBLASTER.COM](http://WWW.SOUNDBLASTER.COM)



# Stuck in a webjam? Take 9Net Avenue. And fly.

WWW.9NETAVE.NET

## web hosting from \$19.95. UNIX or NT.

The Web is crucial for any on-line business. At 9Net, we see this as a one-way street to lots of sales and reduced opportunities. 9NetAvenue offers fully scalable 500 to 1000 web servers and 2000 of the 3rd network appliance for prices that are solid through industrial strength. Our 1000 server cluster was redundant, 600 and 600 International 50-5 lines. It's all protected by 1000 1000-line UPS systems with dual generators and supported by a 1000-line backup system. It's 9Net 4 in 1000 and multi-tenant connectivity. 9NetAvenue always finds the correct route to a 1000 1000 1000 1000.

Web 500 \$19.95/mo.  
Set-up fee \$49.95

Web 1000 \$24.95/mo.  
Set-up fee \$89.95

Web 1500 \$34.95/mo.  
Set-up fee \$139.95

Mail Only Accounts  
\$120/year

More on-line at [www.9netave.net](http://www.9netave.net)  
Order on-line, get 1 month free

95% uptime & 90 day money back guarantee  
Full time multilingual tech support

As an Internet "Partner Partner" we ensure  
better set-up and activation of an account.

Park Your Domain FREE

Co-Location from \$139/mo.





# Dynmac COMPUTERS

*It's Cool! It's Hip! It's Now!*  
**It's HERE!**



Year 2000  
Compliant



## *The ultimate Student Package*

### Home Multimedia System

- Intel Pentium II-300 MHz
- 64 Mb SD Ram
- 512 Kb Pipelined Burst Cache
- Intel 486 LX ASP
- Premium ATX Mid-Tower Case
- 5.7 Gb Ultra ATA/32 Hard Drive
- 32x CD-Rom
- 1.44 Mb Floppy Drive
- 4 Mb Video Card (VGA)
- Wave Table Sound Card
- 56K V.90 Fax Modem w/ Voice
- (2x) Ethernet Card
- 220 Watt PMPO Speakers
- 104-KeyBoard
- Mouse • Mouse Pad • Microphone
- MS Windows 95
- 15" Pure S/T G.A. Monitor 641 28 dpi
- Ink Jet Printer
- 80 in Flat Bed Scanner
- MTS Home-Busfile Software

• Two Years Parts and Labour Warranty

Pentium II-300 MHz

**\$1,795**

WITH SCANNER  
AND PRINTER

**It's the homework buster!**

#### Camdex Technology Inc.

4000 Gage St., Unit 3, Richmond  
855-341-8888 Fax 905-749-0071

If you are a retailer  
and wish to sell our  
machandise, we will add  
your store name to our ad  
for the duration of time.

**Dynmac**  
SYSTEMS INC

10 Aiden Rd., Unit 5  
Markham, Ontario

905-947-1624 Fax 905-947-1629

#### LONDON

Micro-Tek

47 Adelaide St. E. Unit 10  
613-432-8788 Fax 613-441-8115

#### SARASOTA

Micro-Tek

404 North Christina Street 941-527-4181

#### PHOENIX

Micro-Tek

50 Ring Street East 602-786-6775





# FACTORY DIRECT COMPUTER OUTLET BACK TO SCHOOL BARGAINS



Designed for  
Microsoft  
Windows 95

Microsoft  
Windows 95

MONITOR EXTRA

32MB SDRAM/4.0GB HDD / 14" CRT  
AMD 486 MPX2 SVGA VIDEO CARD  
2xWD/18MT SOUND AND TOWER  
104 KEYBOARD / MOUSE / SPEAKERS  
Full 2 Years Parts & Labour Warranty

Intel C2 300MMX \$749

LEADS TO OWN \$1000

Intel P2 266MMX \$899

LEADS TO OWN \$1000

Intel P2 300MMX \$949

LEADS TO OWN \$1000

Intel P2 333MMX \$1079

LEADS TO OWN \$1000

CUSTOM SPECIFICATIONS AVAILABLE

32MB RAM/2.5GB HDD / 14" CRT  
2MB 48MT MPX2 SVGA VIDEO CARD  
2xWD/18MT SOUND AND TOWER  
104 KEYBOARD / MOUSE / SPEAKERS  
Full 2 Years Parts & Labour Warranty

IBM like P233MMX \$499

LEADS TO OWN \$1000

AMD P233MMX \$539

LEADS TO OWN \$1000

Intel P233MMX \$629

LEADS TO OWN \$1000

ADD THE VIDEOGRAPHY MONITOR  
AND A 1600T DUALITY INTEGRITY

FOR ONLY \$55

AND A 1600T DUALITY INTEGRITY

## HARD DISK DRIVES

Example 4200MB 5.25" \$49.95  
4200MB 3.5" \$59.95  
5280MB 5.25" \$119.95  
5280MB 3.5" \$129.95  
5280MB 3.5" \$129.95  
5280MB 3.5" \$129.95  
5280MB 3.5" \$129.95  
5280MB 3.5" \$129.95  
5280MB 3.5" \$129.95  
5280MB 3.5" \$129.95

## MEMORY

Example 32MB 72 Pin Parity \$11.95  
32MB 72 Pin Parity \$11.95  
32MB 72 Pin Parity \$11.95  
32MB 72 Pin Parity \$11.95  
32MB 72 Pin Parity \$11.95  
32MB 72 Pin Parity \$11.95  
32MB 72 Pin Parity \$11.95  
32MB 72 Pin Parity \$11.95  
32MB 72 Pin Parity \$11.95  
32MB 72 Pin Parity \$11.95

## MODEMS

Example 28.8Kbps 56Kbps \$29.95  
28.8Kbps 56Kbps \$29.95  
28.8Kbps 56Kbps \$29.95  
28.8Kbps 56Kbps \$29.95  
28.8Kbps 56Kbps \$29.95  
28.8Kbps 56Kbps \$29.95  
28.8Kbps 56Kbps \$29.95  
28.8Kbps 56Kbps \$29.95  
28.8Kbps 56Kbps \$29.95  
28.8Kbps 56Kbps \$29.95

## BRAND NAME P.C.s

Example Acer 486DX 333MHz \$119.95  
Acer 486DX 333MHz \$119.95  
Acer 486DX 333MHz \$119.95  
Acer 486DX 333MHz \$119.95  
Acer 486DX 333MHz \$119.95  
Acer 486DX 333MHz \$119.95  
Acer 486DX 333MHz \$119.95  
Acer 486DX 333MHz \$119.95  
Acer 486DX 333MHz \$119.95  
Acer 486DX 333MHz \$119.95

## SUPER VGA MONITORS

Example 15" \$199.95  
15" \$199.95  
15" \$199.95  
15" \$199.95  
15" \$199.95  
15" \$199.95  
15" \$199.95  
15" \$199.95  
15" \$199.95  
15" \$199.95

## DIGITAL IMAGING

Example 1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95

## COMPONENTS

Example 1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95

## NOTEBOOK COMPUTERS

Example 15" \$199.95  
15" \$199.95  
15" \$199.95  
15" \$199.95  
15" \$199.95  
15" \$199.95  
15" \$199.95  
15" \$199.95  
15" \$199.95  
15" \$199.95

Condition & Warranty Legend

Condition & Warranty Legend  
Condition & Warranty Legend  
Condition & Warranty Legend  
Condition & Warranty Legend  
Condition & Warranty Legend  
Condition & Warranty Legend  
Condition & Warranty Legend  
Condition & Warranty Legend  
Condition & Warranty Legend  
Condition & Warranty Legend

## CD-R & ZIP MEDIA

Example 1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95  
1000x1000 \$199.95

**Factory Direct Computer Outlet**

Prices are already 2% Cash Discounted, and subject to change  
due to market fluctuations. Quantities are limited and available on  
a first come first serve basis. Government & Corporate POs welcome

**BRAMPTON**  
267 Queen St. E. (West of HWY 416)  
Tel: (905) 796-7788 Fax: (905) 796-9881

**SCARBOROUGH**  
1369 Kennedy Rd. (South of Eglinton)  
Tel: (416) 759-7788 Fax: (416) 759-9881

**TORONTO**  
268 College St. (West of Spadina)  
Tel: (416) 962-7788 Fax: (416) 962-9881

**INTERNET**  
[www.factorydirect.ca](http://www.factorydirect.ca)  
E-Mail: [sales@factorydirect.ca](mailto:sales@factorydirect.ca)



**TOLL-FREE**  
**1-877-NOTE-8KS**  
**(668-3-257)**

50000









## WEB HOSTING

- Elosoft.com/onlinehome
- Youname.com.ca
- Youname.elpsoft.com
- Youname.com
- Domain Name Registration
- Server Bay Setup
- My Setup Fee
- No Registration Fee (1 year term)
- High-Speed Internet (3 Connections)
- Web Space (100MB - 200MB)
- Your Own FTP Directory
- CGI-BIN Directory
- Unlimited E-mail Accounts
- Unlimited Hits/Visitors
- E-mail Subscriptions
- Free Content

**\$9<sup>95</sup>**  
per month

<http://www.elpsoft.com>

- 24-Hour/7-Day 24/7 Support
- Microsoft Active Server Pages (ASP)
- RealServer
- World-Class Technical Support
- Great Resellers Program
- 30-Day Satisfaction Guarantee
- No Hidden Cost

**He's got a website. Do you?**



Local calls  
(416) 425-2224

**Order Today**

Toll-free  
1-877-ELISOFT

# The virtues of virtual ed

## Online education is gradually becoming a reality



By Ross MacDonald

It wasn't more than two years ago that we took a look at the state of education via the Internet, which at the time was nothing short of best to fact. It was pretty rare to find any online credit courses, much less diploma or degree programs. There was only a handful of schools in all of North America had embraced the new technology, and they were mostly going to offer limited degrees.

But the benefits of online education are many, so it is likely to be eventually accepted at just about any level, from high school through postgraduate studies. As a result, a number of schools in the United States offer full online MBA and one Canadian college offers a complete online advanced diploma.

However, a much greater number of post-secondary schools offer at least some credit courses toward a diploma or degree but with the proviso that students normally have to

show up at the school to complete those programs. Even so, the practicality of online technology is clearly being recognized by educational institutions.

In some cases, students who already attend campus classes use online courses to complete completion of their programs. In other cases, students who might have to work or look after children can take online courses to supplement their schedules. Also, the ability to take courses online often gives many students started toward a diploma or degree with the potential of further online courses being developed by the time the current offerings have been completed.

**"Delivering a course over the Internet involves a lot more than just publishing a Web site"**

—Collette O'Neil  
Virtual Learning Environments

offerings have been completed. These benefits are perhaps most evident to what are called in the trade "adult learners," those who never started or finished their education for whatever reason but are ready now either for personal reasons or to enhance their careers.

Continued on page 44

garcon technology

YOU EXPERIENCE ANY

TECHNICAL PROBLEMS,

WE'LL BE HAPPY TO

SHOW YOU THE DOOR.

garcon technology

The door to our fully equipped and staffed technical team, that is. At Garcon Technology, we only do what we offer you the convenience of a convenient web location, but also the highest quality hardware, the most attentive and knowledgeable staff, and the full support of our world-class technical team for all our clients. Under guidance from our experienced technicians, you can find and install your software before we return to your computer.

In today's IT business world where time means everything, we'll make sure your service is impeccable. We prefer to think of it as essential.

Call Garcon Technology  
The Modern  
The Service

**Atkonic**

330 Richmond St. West  
Suite 910, Toronto, ON  
Tel: (416) 594-3190  
Fax: (416) 594-3193  
Web: [www.atkonic.com](http://www.atkonic.com)

Weekdays 9:00am - 5:00pm  
Saturday 10:00am - 2:00pm











# ELECTRO-COM...

WE MAKE REAT ANY QUOTE BY \$50.00/\$100 COMBANTEED  
2 YEARS PARTS & 5 YEARS LABOUR WARRANTY



## INTEL PENTIUM II POWER PACKAGE

**STARTING FROM \$1365,  
LEASE FOR \$51.87/MTH.**

INTEL PENTIUM II PROCESSOR  
ASUS P2B BX MAINBOARD/INTEL 440LX AGP  
512K PIPELINE BURST CACHE  
2 SERIAL, 1 PARALLEL & 2 USB PORTS  
64 MEG SDRAM  
4 MB ATI 3D EXPRESSION+  
ATX TOWER CASE  
6.4 GIG HARDDRIVE UDMA  
1.44 MB FLOPPY DRIVE



MS COMPATIBLE MOUSE  
104 WINDOWS 95 KEYBOARD  
15" SVGA N/I MONITOR  
32X CD-ROM  
CREATIVE LABS SOUNDBLASTER AWE 64  
100 WATTS SPEAKERS  
56K VOICE/DATATAK V.90 MODEM  
WINDOWS 98 PRE-INSTALLED MYCD & MANUAL  
LOTUS SMARTSUITE 97



		PII 266	PII 300	PII 333	PII 350	PII 400
#1	32 SDRAM, 4 GIGB HDD, 16 BIT SOUND, 15" SVGA, NO SOFTWARE	\$1369	\$1469	\$1629	\$1879	\$2059
#2	32 SDRAM, 4 GIGB HDD, 16 BIT SOUND, 15" SVGA, ALL SOFTWARE	\$1499	\$1599	\$1759	\$2009	\$2189
#3	32 SDRAM, 4 GIGB HDD, SOUNDBLASTER 64, 15" SVGA, ALL SOFTWARE	\$1589	\$1689	\$1849	\$2099	\$2279
#4	32 SDRAM, 4 GIGB HDD, SOUNDBLASTER 64, 15" SVGA, NO SOFTWARE	\$1449	\$1549	\$1709	\$1959	\$2139
#5	AS LISTED ABOVE WITH 15" MONITOR, NO SOFTWARE	\$1519	\$1619	\$1779	\$2029	\$2209
#6	AS LISTED ABOVE WITH 15" MONITOR, ALL SOFTWARE	\$1649	\$1749	\$1909	\$2159	\$2339
#7	AS LISTED ABOVE WITH 17" SVGA MONITOR AND ALL SOFTWARE	\$1799	\$1899	\$2059	\$2309	\$2489
#8	AS LISTED ABOVE WITH 17" SVGA MONITOR AND NO SOFTWARE	\$1669	\$1769	\$1929	\$2179	\$2359

**DON'T PAY TILL 1999 (OAC) - ASK FOR DETAILS**

## INTEL CELERON SYSTEM

INTEL CELERON PROCESSOR  
INTEL LX BOARD  
32 MB SDRAM  
4.3 GIG HDD/UDMA  
15" SVGA N/I 29  
32X CD-ROM  
16 BIT SOUNED

28K PROCESSOR/ATX  
MOUSE 104 KEYBOARD  
WINDOWS 95 COMPATIBLE  
AMP 100 WATTS SPEAKERS  
MIDTOWER CASE  
4 MB 3D VIDEO



### OPTIONAL SOFTWARE

1 HOUR  
CASIOGRAPHY  
CREATIVE MUSIC 4000  
DAVE BRONSON THINKING  
LE WORLD ATLAS  
NORBIT ATLAS  
ANALOG WINGDOOR  
S&S FOR SPAC

\$69.00

### LOVEL MY SITE

COLEL MY SITE  
COLEL QUATRO PRO  
COLEL CENTRAL  
COLEL PENTAGON  
CLUPART  
NETSTATE NAVIGATOR

\$69.00

### FLARED SCANNERS, 30 MB

\$129.00  
CARTON 800-4000  
\$249.00  
BROTHER 700 LASER 8000P  
\$399.00

ALL SOFTWARE "RECOMMENDED" SOFTWARE TO RUN & SERVICE OUR OWNERS

# LOCATIONS

PORTER & BELL  
10000 DUNDAS ST. W.  
SCOT. B.  
PH: (905) 709-0888  
FX: (905) 709-4991

BRANDON  
7800 DUNDAS ST. W.  
SCOT. B.  
PH: (905) 702-0660  
FX: (905) 702-0661

BRANDON  
200 MCNICOLL ST. EAST  
SCOT. B.  
PH: (905) 884-0730  
FX: (905) 884-0731

BRANDON  
1000 UPPER OTTAWA ST.  
SCOT. B.  
PH: (905) 875-0888  
FX: (905) 875-0889







We provide both quality components and service with affordable prices.



INTERNET SITE: [www.fishbase.org](http://www.fishbase.org)

[illegible]

### WORKSTATION 3775

PC (Apptech EXLE, Intel 486DX, mainboard)  
Intel Celeron (800MHz CPU) with CPU fan/heat sink  
12.1" (30.5cm) monitor  
Power supply: 1-400W Power Supply  
Power supply: 2-400W CO-PRO  
Quantum 1-7200 Ultra-IDE Hard Drive  
Triflex 2000-4 16MB 80486 Super VGA Color card  
Real-Flow Card: 2.000000 Super Upgrade  
Intel 104 Bytes Random Access Memory  
Microsoft Windows 95 (32-bit)  
1 year warranty and 1 year parts depot warranty  
Microsoft Windows 95 and included.

2003 2004 — **Partners**

Calculus III	MC	Payson	3 hrs
Statistics I	MC	Payson	3 hrs
2D Waves in 3d Space	MC	Payson	3 hrs

Pentium® 266	\$2469
Pentium® 300	\$2519
Pentium® 333	\$2659
Pentium® 350	\$2949
Pentium® 400	\$3299

FIG. 4. Master Curve of Government IFC - test in regular prices.  
 Prices are indicated in dollars without value. (2000) - conversion used.

[illegible][illegible]





# Unlimited Access How About 3 Months FREE!!!

As Low As **\$10.60\*** Per Month

## The Best Deal In Town

ALL BUSINESS  
ACCOUNTS  
FREE ACCESS  
FOR ONE YEAR  
\* WITH WEB  
HOSTING

Offer  
**EXTENDED**  
due to popular  
**DEMAND!**



**Yes IC Communications Inc.**

Call: **416 622 6614**

- **NO** sign up fee or other Hidden costs
- **FREE** 7 day tech support
- **FREE** second E Mail Account
- **FREE** 5 Megs Web space
- **10MB** connection to the NET
- **56K** Access at same rate

Visit our Web Site: <http://www.yesic.com>  
E Mail us: [sales@yesic.com](mailto:sales@yesic.com)  
16 Four Seasons Place, Unit 108  
Etobicoke, Ontario M9B 6E7

"Serving Canadians Since 1995  
20,000+ Customers Later"

\* Sign up for 12 months and  
receive 3 months Extra FREE!



### Imaging the Jump

Continued from page 23

tools. Cloud expects an equal revolution when it is required by schools and educators to facilitate education.

The Institute of Applied Science and Engineering at the University of Toronto sponsors the De Vries Competition (http://www.itsa.utoronto.ca/deVries/). This contest targets future engineering students and contains questions from physics, chemistry and mathematics. Like the other contests, events and scholarships can be won and participation is important for prospective applicants to these schools.

Opportunities between grades don't fill the entire story and these contests become a significant study in applied knowledge that is a reality of disciplines. Good courses feature a student's application, while a poor one has a neutral effect.

### Jobs, volunteering and extra-curricular activities

#### BrowsersMaker

From: Info Tech Software  
Tel: 905-872-1040  
http://www.infotechsoftware.com  
For: Windows 95/98

Because students now loading onto computers give up on this mission of the last 100 and early '90s, many are more motivated than their predecessors to "make grades." As a result, administrators are seeing more and more students with very high grades.

But what about kids who are playing (not just in hockey and soccer) a game that you feel is not better - it's general average (which is roughly the case with this year) for acceptance to computer engineering at the University of Waterloo?

Universities do like to see that kids are doing their best studying. They want all-around excellence, especially as more and more programs offer a range of computer experience options. It is time to find positions for on-top students doing well, rather if they have some employment history.

There, it is possible, what can really help a company with a total program, complete with software, will be more likely to find a job. Informational software produces an easy-to-use Browsers Maker program. I like it, not because it offers a total computer option to help in target audience, but of use and suggestions for planning and various resources and the results look professional in even better ways than others.

It also includes video sequences that provide a range of job interviews and questions for answering. The job can be with those who put their time (especially in the last day of kindergarten).

For kids who are not ready to find a job

then volunteering is an important option. It provides experience that can lead to a job and demonstrates they are using time (not just effectively) but are equally important to the volunteer job.

Other activities can demonstrate that a student is motivated to more than the 10 or 15 job-related experiences. While sports events at schools (like the extra-curricular school) make a student a team member, groups are starting to appear. Many of these support just a general at context and support those who

enter a new job to expand around the industry at a way of showing that are developing interests that relate to possible future areas of study.

But what if your school does not have the desired club? The Web is a great place to look for mentoring and assistance. In March, AOL On Demand steps through various institutions that offer a wide range of resources. Some provide leadership in college levels and more being.

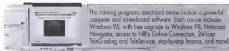
For computer programming problems, see

Ed's Programming Course Problem Solver at <http://www.itsa.utoronto.ca/ed/problems/>. It also has links to other sites and the Programming Course Problem Solver at <http://www.itsa.utoronto.ca/ed/problems/>.

For robotics, try the <http://www.itsa.utoronto.ca/ed/problems/> for information on the Canadian FIRST Robotics competition for high school students and learn more on Internet control, building, math and science for middle school students. (J)

For Learning curriculum (C) events, see the site

## Computer Training That Pays for Itself



The training programs described below include a powerful computer and name-brand software. Each course includes Windows 95, with free upgrade to Windows 98, Netscape Navigator, access to NRI's Online Connection, 24-hour TeleGuiding and TeleService, step-by-step lessons, and more!

### Boost your earning power with NRI hands-on training

To compete in today's job market, you need advanced, in-demand computer skills. Now with NRI, you have a convenient, effective, and affordable way to keep your PC skills razor sharp. A pioneer of hands-on computer training, NRI now features training programs geared to your special training needs. From our updated PC Servicing course (looking for a new computer) to our enhanced course in Computer Programming that now allows you to specialize in one of three popular languages:

### Choose the course that interests you, then send for your FREE catalog today!

**Maintaining Microsoft Office** — Test at home with today's most popular business applications including Word, Excel, Access, and PowerPoint. After learning Windows 95/98 and the Internet, you start training on your new PC.

#### Networking With Windows

NT — Learn how to set up and maintain LANs and WANs for today's busy offices. You cover every phase of the process, from analyzing system requirements to troubleshooting.

**Multimedia Programming** — You create the kinds of contemporary multimedia programs that make everything—from shopping to education to business presentations—new and more exciting. NRI's



NRI's NRI's PC Servicing and Computer Programming courses now feature a Pentium® II 300 PC, with:

- MMX™ technology
- 32 meg RAM
- 3.5 gigabyte hard drive
- VGA color monitor
- 56,000 baud fax/modem
- 32X CD-ROM drive, and more!

innovative programming course helps you bring text and graphics to life with sound, animation and photography images. As you become skilled with the professional-level Asymetrix Toolbook software, solutions included in your course, you'll be able to add design and impact to all of your computer applications.

**PC Servicing** — Master PC, analyze and repair, perform actual experiments with today's most sophisticated diagnostic tools, and experiment with NRI's exclusive jobs computer-aided after-hours demonstrations: BIOS, Microprocessor, and NRI Discovery lab, a complete troubleshooting system. With the service

support of helpful NRI instructors, this course will also help you prepare for the the certification exam with updated lessons and interactive tutorial.

#### Computer Programming —

Whether you possess experience, NRI's Computer Programming course gives you the hands-on training you need to compete in today's high-tech marketplace. Step by step, you acquire basic skills and master more complex programming design concepts and techniques, ultimately focusing in depth on your choice of languages: Visual Basic, C++, or Java.

**SEND COUPON OR CALL**  
1-800-321-4634, EXT. 3439

#### Windows 98, update from Intel

NRI-The Intel® Celeron® Chip has a special report on Windows 98. The report is written for members of the new operating system and includes in-depth news about the new hardware the system offers, especially those that exploit features of Intel processors.

<http://www.itsa.utoronto.ca/ed/problems/>

#### FIND OUT MORE TODAY!

**NRI Education** 300 West Beaver Creek Rd. Unit 104

Check now FREE catalog only

— Maintaining Microsoft Office

— Networking With Windows NT

— Multimedia Programming

— PC Servicing

— Computer Programming

Name \_\_\_\_\_

Age \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Circle 1 on Reader Service card

33200PPT

# VISIT MDG AT: [www.mdg.ca](http://www.mdg.ca)

## AND CHECK OUT OUR LATEST PRICES



Take advantage of MDG's Extension Service System. We will send you a special form and set up the computer and set up your documentation, already we can service for you and if you bought your Windows and we can service your hardware and software and we can service your hardware.



MDG's Extension Service System is a service system that will send you a special form and set up the computer and set up your documentation, already we can service for you and if you bought your Windows and we can service your hardware and software and we can service your hardware.

### WITH SYSTEM PURCHASE ONLY:

- Microsoft Windows 95
- Lotus SmartSuite
- Microsoft Office 95
- Lotus SmartSuite
- Microsoft Office 95
- Lotus SmartSuite
- Microsoft Office 95
- Lotus SmartSuite

### MDG BRAND NAME PARTS

MDG MONITORS		
MDG 15"		\$150
MDG 17"		\$170
MDG 19"		\$190

### MDG MONITORS

MDG 15" Color Monitors	\$150
MDG 17" Color Monitors	\$170
MDG 19" Color Monitors	\$190

### MDG MONITORS

MDG 15" Color Monitors	\$150
MDG 17" Color Monitors	\$170
MDG 19" Color Monitors	\$190

### MDG MONITORS

MDG 15" Color Monitors	\$150
MDG 17" Color Monitors	\$170
MDG 19" Color Monitors	\$190

### MDG MONITORS

MDG 15" Color Monitors	\$150
MDG 17" Color Monitors	\$170
MDG 19" Color Monitors	\$190

### MDG MONITORS

MDG 15" Color Monitors	\$150
MDG 17" Color Monitors	\$170
MDG 19" Color Monitors	\$190

### MDG MONITORS

MDG 15" Color Monitors	\$150
MDG 17" Color Monitors	\$170
MDG 19" Color Monitors	\$190

### MDG MONITORS

MDG 15" Color Monitors	\$150
MDG 17" Color Monitors	\$170
MDG 19" Color Monitors	\$190

VALUE MHT	VALUE MHT	VALUE MHT
<b>\$665</b>	<b>\$865</b>	<b>\$1145</b>
MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR
<ul style="list-style-type: none"> <li>• Processor: Pentium 586 or 660 MHz</li> <li>• RAM: 16MB</li> <li>• Hard Drive: 1GB</li> <li>• CD-ROM: 1x</li> <li>• Mouse: 1x</li> <li>• Keyboard: 1x</li> <li>• Monitor: 15" Color</li> <li>• System: 1x</li> <li>• Software: 1x</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: Pentium 586 or 660 MHz</li> <li>• RAM: 16MB</li> <li>• Hard Drive: 1GB</li> <li>• CD-ROM: 1x</li> <li>• Mouse: 1x</li> <li>• Keyboard: 1x</li> <li>• Monitor: 17" Color</li> <li>• System: 1x</li> <li>• Software: 1x</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: Pentium 586 or 660 MHz</li> <li>• RAM: 16MB</li> <li>• Hard Drive: 1GB</li> <li>• CD-ROM: 1x</li> <li>• Mouse: 1x</li> <li>• Keyboard: 1x</li> <li>• Monitor: 19" Color</li> <li>• System: 1x</li> <li>• Software: 1x</li> </ul>

# MDG HORIZON

## CADILLAC OF PERSONAL COMPUTERS

HORIZON L	HORIZON XL	HORIZON XXL
<b>\$1045</b>	<b>\$1295</b>	<b>\$1845</b>
MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR
<ul style="list-style-type: none"> <li>• Processor: Pentium 586 or 660 MHz</li> <li>• RAM: 16MB</li> <li>• Hard Drive: 1GB</li> <li>• CD-ROM: 1x</li> <li>• Mouse: 1x</li> <li>• Keyboard: 1x</li> <li>• Monitor: 15" Color</li> <li>• System: 1x</li> <li>• Software: 1x</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: Pentium 586 or 660 MHz</li> <li>• RAM: 16MB</li> <li>• Hard Drive: 1GB</li> <li>• CD-ROM: 1x</li> <li>• Mouse: 1x</li> <li>• Keyboard: 1x</li> <li>• Monitor: 17" Color</li> <li>• System: 1x</li> <li>• Software: 1x</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: Pentium 586 or 660 MHz</li> <li>• RAM: 16MB</li> <li>• Hard Drive: 1GB</li> <li>• CD-ROM: 1x</li> <li>• Mouse: 1x</li> <li>• Keyboard: 1x</li> <li>• Monitor: 19" Color</li> <li>• System: 1x</li> <li>• Software: 1x</li> </ul>

THE DREAM MACHINE	THE ULTIMATE POWER	CUTTING EDGE
<b>\$1895</b>	<b>\$2495</b>	<b>\$3645</b>
MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR

<ul style="list-style-type: none"> <li>• Processor: Pentium 586 or 660 MHz</li> <li>• RAM: 16MB</li> <li>• Hard Drive: 1GB</li> <li>• CD-ROM: 1x</li> <li>• Mouse: 1x</li> <li>• Keyboard: 1x</li> <li>• Monitor: 15" Color</li> <li>• System: 1x</li> <li>• Software: 1x</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: Pentium 586 or 660 MHz</li> <li>• RAM: 16MB</li> <li>• Hard Drive: 1GB</li> <li>• CD-ROM: 1x</li> <li>• Mouse: 1x</li> <li>• Keyboard: 1x</li> <li>• Monitor: 17" Color</li> <li>• System: 1x</li> <li>• Software: 1x</li> </ul>	<ul style="list-style-type: none"> <li>• Processor: Pentium 586 or 660 MHz</li> <li>• RAM: 16MB</li> <li>• Hard Drive: 1GB</li> <li>• CD-ROM: 1x</li> <li>• Mouse: 1x</li> <li>• Keyboard: 1x</li> <li>• Monitor: 19" Color</li> <li>• System: 1x</li> <li>• Software: 1x</li> </ul>
--	--	--

### CORPORATE AND GOVERNMENT EXCLUSIVE HOT LINE TEL: (800) 712-9446, FAX: (800) 712-9756 Hours: Monday-Friday 9:00am to 5:00pm

MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR	MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR	MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR	MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR
MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR	MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR	MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR	MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR
MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR	MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR	MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR	MDG MONITOR 15" COLOR MONITOR	MDG MONITOR 17" COLOR MONITOR	MDG MONITOR 19" COLOR MONITOR

IMPORTANT! FOR THE BEST SERVICE PLEASE CALL THE MDG HOT LINE.

MDG MONITOR 15" COLOR MONITOR, MDG MONITOR 17" COLOR MONITOR, MDG MONITOR 19" COLOR MONITOR



### Permanently Altered System At

25 MHz	11,409
100 MHz	11,499
131 MHz	11,509

**ATI Legend RX78** MB (Fixed L2 cache) 253-333MHz processor  
 33 MHz 60 pin SD RAM, 512K; 512K;  
 On-board Digital VME hard drive (IDE/ATA)  
 Pentium® i486 MMX floppy drive  
 ATI TD Changer (Range R); 4 MB AGP video card  
 Acer 94K monitor (enhanced/resolution VHS, PG)  
 Acer 15" CRT monitor MEN i 28  
 Minimum ATX tower case  
 Minimum 104 pins PCI keyboard, PS/2 mouse / jpd  
 Panasonic MX speed (IDE) CD ROM  
 Creative Labs Sound Blaster 16, 80 mhz DMA/IRQ auto. resolution

## Prima Professional System II

264 MHz	\$1,800
300 MHz	\$1,950
433 MHz	\$1,900

Intel® Pentium® processor with MMX™ Technology  
 4GB/3.5" CD-RW ATX M-B (Intel® i486 chip/333/333MHz)  
 32 MB/3.5" RAM DIMM, 512K cache  
 Western Digital 4.7 GB hard drive (UDMA)  
 Panasonic 1.44 MB floppy drive  
 ATI Xpert 3200S (Range Pro) 4MB AGP video card  
 Acer 58K internal fax/modem voice V.90, PCI  
 \*Accessories: 0791 17" (C6) monitor (1430 x 904) N1 27  
 Medium AGP tower case  
 Keyboard 104 keys, PS/2 keyboard, Logitech PS/2 mouse / pad  
 Panasonic 33K speed IDE CD ROM, Microphone  
 Creative Lab 8x I AW264A280 value PMPD opt. speakers  
 \*Accessories at store: 17" 27K monitor, 16MB, 17" 27K monitor

## Private Professional System 2

264 MHz	\$12,179
300 MHz	\$12,429
334 MHz	\$12,689
350 MHz	\$12,839
400 MHz	\$13,089

Intel Pentium® processor with MMX™ Technology  
486S P90 ATX mother board (dual BX chip) (233-400 MHz)  
64 MB PC133 SDRAM Ram 7aa, 512K cache  
Western Digital 6.4 GB hard drive (UDMA)  
Firmware 1.44 MB floppy drive  
ATI 3D XPERT™ 98 ACAP 3d/4d video card  
USB/IDE/ATA/RAID, 56K, analog/digital, V.90  
Ergonomic P713 17" CRT monitor (1600x1200x1.25)  
Medium ATX tower case  
Keyboard: P61 key/button, Logitech P52 Fire Mouse / Wheel  
Firmware 32K, agent IDE/DO-ROM  
Creative Lab Sound Blaster AWE64  
microphone, 200-watt PMPO amplifier system

■ **Diagnosis in Kawasaki:**  $1^{\circ}$  CRP positive (PTT  $1^{\circ}$   $\downarrow$ ESR  $\uparrow$ )  
Acute  $1^{\circ}$  CRP positive (PTT  $1^{\circ}$   $\downarrow$ ESR  $\uparrow$ )

**Prima Computer Inc**[illegible]

City	State	Zip	Area	Phone	Area	Phone
San Francisco	CA	94102	415	774-7700		
San Francisco	CA	94102	415	774-7700		

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 105–112

1. [Home](#)

© 2006 The Authors  
Journal compilation © 2006 Blackwell Publishing Ltd

© 2006 The Authors  
Journal compilation © 2006 Blackwell Publishing Ltd

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 26

should extend only to institutions registered and protected by the province in which they operate. The issue that is the most characteristic of our field, however, comes up often: you will be offered a related or opportunity to complete your studies in a compatible institution. Not all training businesses are registered in this way. Each year a number of Canadian students discover they are out their time and money. **Mark Brown**

Another charge that law firms allege is the alleged practice of promising more than can be delivered. The president of an Internet design agency in Western Canada, [who did not want to be named] says over 50% of the work he has been promised \$40,000 to \$100,000 job opportunities upon client completion.

Age Group	Percentage of Respondents Satisfied
18-24	~15%
25-34	~45%
35-44	~25%
45-54	~10%
55-64	~15%
65-74	~10%
75+	~10%

Highly educated people pay individuals will cover right or left and say what they are paying on living job, but it is possible to prove. The American investment company International MAC works with both Americans and Canadian companies. Spokesman Robert Dwyer notes that technology managers can generally expect to move into higher salary ranges than managers with no management experience. "For example, a manager with 200,000 for technology and 4 in the 200,000 level for management is most common," says Dwyer. He is talking about American dollars. In fact, while Canadians are trying to recruit from Eastern Europe, among other places, America is recruiting from Canada.

Michael Brown, dean of doctoral and computer engineering at the University of British Columbia, says 75% percent of his students are foreign-born. He estimates 20 percent move in from Canada and 20 percent more in from other nations means a much higher 40

BridgeGate's Brown confirms that the U.S. making-out products, "Canadians are particularly desirable because they share the cultural attributes of their American cousins. Romans has great programs because they have great mathematics programs. Canada has great universities that seek health."

Not only are companies violating federal law, but also the public's health, there are criminal

along their journey is well. According to Jon Desjardins, the director of Simon Fraser University's Computer Science department, one of the problems with computer programs in both U.S. and central Canada is that some students are dropping out. Why? Because their cheap computers make a good enough offer and they take it.

Then one has to decide, "If a candidate is looking for a purely technical task, a trade school education or hands-on experience is enough. However, there is no substitute for a four-year degree if the candidate is looking forward to moving up the ladder into management," says Hines.

The H.C. Technology Industry Association pays the median wage to high-tech employees in H.C. of \$46,000 per year. That total consisting this includes employees whether they have a degree, diploma or simply a job in the field.

**References**

If you don't have the right talent, you might want to go to a Federal Institute. Minister Markey cited two more thoughts in his speech. First, in 1994 the unemployment rate for people with a post-secondary education degree was five percent—about half the national average for people with a high school diploma or less. It was 10 percent for people who graduate from community colleges and vocational schools, and more than 20 percent for people who leave with high school or less.

Figure 1 consists of six subplots, each showing a histogram of the number of non-zero elements in the rows of a specific matrix. The subplots are labeled A, B, C, D, E, and F. The x-axis for all plots is 'Number of non-zero elements' ranging from 0 to 1000. The y-axis is 'Frequency' ranging from 0 to 100. The distributions are as follows:

- A:** Frequency ranges from 0 to 100. The distribution is centered around 200-300 non-zero elements.
- B:** Frequency ranges from 0 to 100. The distribution is centered around 200-300 non-zero elements.
- C:** Frequency ranges from 0 to 100. The distribution is centered around 200-300 non-zero elements.
- D:** Frequency ranges from 0 to 100. The distribution is centered around 200-300 non-zero elements.
- E:** Frequency ranges from 0 to 100. The distribution is centered around 200-300 non-zero elements.
- F:** Frequency ranges from 0 to 100. The distribution is centered around 200-300 non-zero elements.

If in the world around them are opportunities but there are no quality jobs, there are jobs available but the best paying ones have the most requirements. The best advice is to be sure there is a need for the skill you are interested in learning. The human resources department of a Christian company don't mind telling you their minimum requirements for a position or the types of people they are most successful in hiring.

If you do have the right credentials there are places to offer your services. The Creative Technology Human Resources Board (CTHR), along with CITA, has set up a database to provide information to CITA and its members in areas that 40,000 skilled engineering and applied science professionals and technologists (<http://www.cthr.co.uk>) need. ☐



# The joy of safe computing

In last month's cover story, *The Secure Computer*, we dealt primarily with encryption. In the second and final part of this feature, we present some broader issues and advice on making your computer immune from a variety of other threats.

By Jeff Brown

**H**ow important is your computer and its data to you? Until now, if you didn't play games and chat about gardening via the Internet, what could go wrong with your computer that would be more than an annoyance?

Well, what if some scum-bag (using one of the latest techniques just called "data mining" when you order groceries) stole money and charges thousands of dollars in your name, ruining your credit rating? What if a mysterious psycho befriended your daughter via an online gaming chat connection, and persuaded her to run off to Idaho with him? Suppose you depend on a computer system for business. Could the failure of that system—due to a virus or hardware, or the theft or destruction of critical information on your network, even by a computer—ruin your year?

For most of us, these possibilities seem very remote, as hypothetical as having a car not on wheels or being stuck by lightning. But you do it really need to worry about security in our home in business computers?

Another one: How much would it cost you if the worst possible catastrophe happened to your computer system? If the answer is "not much," then maybe you should put it in and go back to playing *Doom's* father.

However, if the answer is "quite a lot," then you should take a few moments to plan for safe computing.

Take the analogy of buying a house. You don't really expect the house to burn down or be stolen off by a burglar, so for a minute or two on the big days and see you for a 30-minute tour, but if any of those things happened and you were uninsured you would be bankrupt.

At a price, naturally even out here in Canada, you would almost immediately take some basic precautions to make your house safe and make your liability if God forbid, something doesn't go wrong. There would include an insurance policy on damage to the house and perhaps personal injury liability—and life insurance on you, most people do if you let your insurance family won't have to worry about making the payments.

As well, you probably have locks on the doors and windows and can threaten sight or when you see any. This may seem like a

Continued on page 64



## Treasure-Will

ENTERPRISES LTD.  
Computer Hardware & Systems  
Markham - Greater Toronto Area - Canada

Tel: 905-477-2780  
Toll Free: 1-800-261-4546  
E-Mail: info@treasure-will.com  
http://www.treasure-will.com

High Quality Products... Competitive Prices... Excellent Service

### PENTIUM MMX SYSTEM

Asus A719 TX enhanced ATX  
Intel, AMD or Cyrix CPU  
4M1 4MB 50 Pins Video Card  
32MB SDRAM  
3 1/2in. 1.44in. 3.5in. Hard Drive  
Asus Super Modem  
SPE 2400MHz 2500 Speaker  
Sound Blaster 16  
SPE 160 Pin Modem  
Keyboard/Mouse/Trackball  
SPE 160 Pin Modem

### PENTIUM II SYSTEM

Asus P450TX enhanced ATX  
Toshiba 570M 4MB 40 Pin Video Card  
4MB SDRAM  
4 1/2in. Ultra DMA Hard Drive  
Asus ATX Super Modem  
SPE 2400MHz 2500 Speaker  
Sound Blaster 16  
LGE 160 Pin Modem  
Keyboard/Mouse/Trackball  
SPE 160 Pin Modem



Member 15% Save \$100-\$200 15% Save \$100-\$200  
15% Save \$100-\$200 15% Save \$100-\$200  
Systems with 1 year parts & 2 years Limited Warranty  
Please call for individual QUOTES/ORDERS/PRICES/SUPPLY PRICES

### How much would it hurt?

For best way to answer that question is to ask

### Sonnman Computer Network

Phone: 598-2557 Fax: 598-2140

4850 Highway 708 Unit 100, Mississauga, ON L4V 1P4

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

## Back to School Special !!

### Extreme Series

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

### Good Value Series

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140



### Powerful Series

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140



### MMAX Technology

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140

For more information, please call 598-2557 or 598-2140





# COMPUTERS

## STUDENT'S CHOICE

486 333 MHz	8 MB RAM
20 MB HDD	1 YEAR WARRANTY
1 MB CACHE	1 YEAR WARRANTY
100 MB RAM	1 YEAR WARRANTY
100 MB RAM	1 YEAR WARRANTY
100 MB RAM	1 YEAR WARRANTY
100 MB RAM	1 YEAR WARRANTY
100 MB RAM	1 YEAR WARRANTY

### INTEL 166 MMX



**\$869**

IBM AND SONY/SONY/SONY  
SOFTWARE INCLUDED  
WINDOWS 95 CD & MANUAL

## Back To School SALE



Great Service  
Great Price  
Always

## HOME OFFICE SOLUTIONS

### INTEL PII-266 MMX



**\$1499**

IBM AND SONY/SONY/SONY  
SOFTWARE INCLUDED  
WINDOWS 95 CD & MANUAL  
IBM SOFTWARE CD & MANUAL

486 333 MHz	8 MB RAM
20 MB HDD	1 YEAR WARRANTY
1 MB CACHE	1 YEAR WARRANTY
100 MB RAM	1 YEAR WARRANTY
100 MB RAM	1 YEAR WARRANTY
100 MB RAM	1 YEAR WARRANTY
100 MB RAM	1 YEAR WARRANTY
100 MB RAM	1 YEAR WARRANTY

## PRINTER SPECIALS



- Epson 400 ... \$199
- Epson 400 ... \$279
- Epson 400 ... \$409
- Lexmark 1100 ... \$129
- Canon BJC 250 ... \$169
- Canon 4100 ... \$249

## \*SENIORS CHOICE

### INTEL PII-333 MMX



**\$1925**

IBM AND SONY/SONY/SONY  
SOFTWARE INCLUDED  
WINDOWS 95 CD & MANUAL

## UPGRADE SPECIALS

### P II-233 MMX INTEL

**\$549**

Includes:  
Microsoft Office 95, 1 MB RAM, 1 MB PC L  
1 MB RAM, 1 MB RAM, 1 MB RAM  
1 Year Parts Warranty

## OTHER SPECIALS

- 4.3 GB Hard drive ... \$189
- Lexmark 1100 ... \$129

(after taxes)

## WEEKLY DEALS BOX



17" MONITOR  
\$369

14" SVGA MONITOR  
\$159

56K V.90 MODEM  
\$89

SCANNER  
\$89

Hard Drive  
\$259

Included in All Systems  
Keyboard, Mouse, Pen  
Speakers, 1.44 Floppy  
Diskettes, 1 Year  
Warranty, 3 Year  
Parts, Labour and  
2 year parts warranty

**ASHTeq**  
COMPUTERS

MISSISSAUGA  
Tel: 905-277-1234  
Fax: 905-277-1234  
1000 SHEPPARD AVE. E.  
SUITE 100  
MISSISSAUGA, ONT. L4X 1L7  
Fax: 905-277-1234

BURLINGTON  
Tel: 905-335-1234  
Fax: 905-335-1234  
1000 SHEPPARD AVE. E.  
SUITE 100  
BURLINGTON, ONT. L7R 4K1  
Fax: 905-335-1234

BURLINGTON  
Tel: 905-335-1234  
Fax: 905-335-1234  
1000 SHEPPARD AVE. E.  
SUITE 100  
BURLINGTON, ONT. L7R 4K1  
Fax: 905-335-1234

MISSISSAUGA  
Tel: 905-277-1234  
Fax: 905-277-1234  
1000 SHEPPARD AVE. E.  
SUITE 100  
MISSISSAUGA, ONT. L4X 1L7  
Fax: 905-277-1234

MISSISSAUGA  
Tel: 905-277-1234  
Fax: 905-277-1234  
1000 SHEPPARD AVE. E.  
SUITE 100  
MISSISSAUGA, ONT. L4X 1L7  
Fax: 905-277-1234

Prices are cash discounts with 2% on credit card payments. The logos and trademarks used are the property of their respective owners.



## In brief

**Electric Internet@Mail compatible**  
The Electric Mail Company has announced that its flagship Electric Internet@Mail service is now fully compatible with all leading LAN-based email systems and is set to be a customer win using Lotus Notes, eMail, Microsoft Mail, Microsoft Exchange and Novell GroupWise servers.

The recently launched service is an industry first for email connecting to a fully global connectivity with no long-distance or toll-free number fees and open access with no useless dedicated Internet access, according to the Electric Mail Company.

Incompatible between different LAN email systems, Electric Internet@Mail allows the user to complete SMTP gateway and dramatically reduces the cost of connecting single or multiple email systems to the Internet.

Business utilizing the Electric Internet@Mail service also enjoys automatic e-mail filtering at no extra charge. All incoming messages are filtered at the Electric Mail Co. distribution hub using email industry proven rules for detecting and discarding unwanted commercial bulk email.

Electric Internet@Mail requires a dedicated Windows 95 or NT system on the LAN and supports either a modem or dedicated Internet connection. Free prior to the service is \$200.00 per month for 20 users, plus an annual fee of \$50.

For 800-453-1883 (toll free) visit <http://www.emc.com>

**Integrated service for small businesses**  
SAS (SAS, Calif.)—Microsoft Corp. and AmeriAmerica Corp. have unveiled a joint small business service solution.

AmeriAmerica unveiled the launch of the American Small Business Service that aims to provide small businesses with a PC service that integrates hardware with Internet, Web and communications solutions. AmeriAmerica's service is designed to serve the PC service needs of 50,000s (small office/home office users) as well as large professional businesses, such as law or architectural firms that have their own or 25 computers.

The system—comprised of Microsoft BackOffice Small Business Server 4.0 and the American 200 entry level server—is designed to enable businesses to set up shop on the Internet, run their own Web site, communicate with clients and employees, file tax documents and leverage e-mailing features.

The system has an integrated auto-mating system clock to optimize the server's performance for maximum bus speed, an auto-rising 250W power supply, Intel Pentium II processor ranging from 266 MHz to 450 MHz with 311KB Level 2 cache, a CPU upgrade path, and a three-year (33MM)warranty.

Continued on page T22B

THE  
COMPUTER  
PAPER'S

# Tech Enterprise

TECHNOLOGY SOLUTIONS FOR BUSINESS IN CANADA

SEPTEMBER 1998

## Videoconferencing enters the mainstream

By Geoff Wainwright

Videoconferencing has finally come of age. In the last 10 years, it has evolved from an expensive technology available only to large corporations into something that even small business users can take advantage of for less than \$1000.

As a result, the variety of videoconferencing systems now grows considerably to suit the number of applications, as well as it can be applied.

### Winning bandwidth

One of the traditional challenges in building a videoconference has been in finding a connection with enough bandwidth to move all the video and audio at speeds high enough to allow you to see moving images and properly hear voices.

With Internet connection speeds of 56Kbps now available over standard phone lines—and even higher speeds available through integrated services data networks (ISDNs), asynchronous digital subscriber lines (ADSLs) or cable modem connections—it is now feasible to videoconference over the Net.

The hardware you will need is a recently produced high speed modem, a relatively new sound card that supports full duplex sounds (so that you can listen and talk at the same time), a video capture card and a

Continued on page T22



## Legal implications of Year 2K readiness inquiries

By David Freedman

The Year 2000 (Y2K) bug is a simple problem with a complex solution. The Canadian Government's Task Force Year 2000 has warned, "The implementation of the Year 2000 computer problem... are extremely serious and may result in every aspect of business operations. No business is immune, even firms in Canada—either directly or in some operations, or indirectly—of their own commercial activities."



persons challenging traditional, business, and legal issues with significant ramifications for organizations of all sizes and types. Organizations that fail to address these issues in a timely manner may face serious financial consequences and significant legal risks and liabilities.

### Y2K inquiries

Many organizations are making Y2K inquiries to lawyers, accountants and others upon whom they depend for

Continued on page T22

# Canada to require fiscal report of Y2K readiness

By Martin Stone

TORONTO (ENR)—The Canadian Institute of Chartered Accountants (CICA) has released accounting and auditing guidelines on the Year 2000 (Y2K) issue, making Canada the first country in the G7 to give

of the issue, leading some to estimate to require financial statement disclosures relating to Y2K preparedness.

Michael H. Kayser, CICA president and member of Institut de Chartered Accountants (ICAA) and their audit authority (ICAA) the Canadian Accounting Standards Board, all

companies both public and private are now required to highlight in their financial statements the fact that they may experience problems relating to the Y2K bug.

The bug is expected to create some computer failures on and after Jan. 1, 2000.

"The Year 2000 issue poses an immediate

and significant challenge to businesses around the world. Through appropriate financial statement disclosures, these new guidelines will ensure that the public receives a clearer picture of the issue," Kayser said.

The accounting guidelines provide a full-on approach to disclosures about the Y2K issue. It says it documents the nature and extent of Y2K information that an entity may wish to disclose, and the most appropriate vehicle for doing so. In particular, it sets out financial statement disclosure requirements for two specific circumstances: the current year.

In normal circumstances there is a minimum requirement for financial statements to disclose the uncertainty the Y2K issue poses for their financial results. Such accounting disclosures, normally beyond the scope of financial statements, is required because of the consequences of the issue, as potential to cause significant system failures, and the fact that it will impact all sectors in approximately the same way.

However, a more precise disclosure must more is required when management determines that the entity's ability to continue as a going concern is jeopardized because of non-compliance to Y2K. In this case, the financial statements will provide explicit disclosure of the problem, according to the organization.

As well as these minimum disclosure requirements, companies are encouraged to disclose qualitative information about the Y2K issue in annual reports or other company materials with shareholders and other stake holders, and Kayser.

Kayser stated that the requirements apply only to companies filing financial statements under the terms of the General Agreement on Trade and Tariffs (GATT), but added that banks, stock exchanges and other financial institutions may want also report similar disclosures.

He added that, even if a company itself is a Y2K-compliant, it will need to say the because it is uncertain about the supply chain or other a required guidelines may be important. He further stated that a map to "fully aware" for a company to claim to be Y2K ready because of the potential failure of a supplier.

Copies of these new guidelines, together with the CICA's other Year 2000 publications, are available on the CICA Web site.

The CICA, together with the professional and technical members of chartered accountants, represents a membership of 40,000 professional accountants in Canada and Bermuda. The CICA also accounting and auditing standards for business, not for profit organizations and governments. It issues guidance on internal audit governance publishes professional literature, develops continuing education programs and sponsors the CA profession nationally and internationally.

Contact: CICA (<http://www.cica.ca>)

## INTERLOG

# Dial-Up Access

Q&A

## Other Internet service providers offer unlimited plans. You don't. Why should I choose Interlog?

Our years of experience providing fast and reliable Internet service have taught us that "unlimited" access usually means "limited" and more costly service to the client. That's why we believe that no ISP's "unlimited" pricing structure has anywhere near the flexibility from the customer's point of view that Interlog's pricing goal offers.

Interlog's most popular plan is the "Silver" account, which offers 45 hours a month (that's an average of nearly 90 minutes every day) for a reasonable \$15.00. Our "Gold" Plan, by contrast, offers an average four hours of access a day for \$25.00. Most of our dial-up customers find one of these two plans appropriate; but if your needs change, you can scale back or upgrade to other plans without penalty or fee. Interlog's plans reflect what experience tells us customers use in reality, not in a computer's fantasy.

At Interlog, we deliver the reliable service and plain-English support discerning buyers of Internet access demand. To get more information on our dial-up services, or to speak with one of our experienced sales representatives, call (416) 920-2655 or surf to [www.interlog.com](http://www.interlog.com).

# INTERLOG INTERNET

[www.interlog.com](http://www.interlog.com)  
(416) 920-2655, ext. 3000  
1075 Bay St., Toronto, ON M5S 2B1

Contact: CICA (<http://www.cica.ca>)

## Videoconferencing: coming soon to a PC near you

If you take a walk on the desert sand, there are no visible footprints from the wind-blown sand. The grains of sand are too light. It will eventually be covered by a new wave of sand, and the footprints will be gone.



over hard to make interdisciplinary than any  
language can ever be an advantage

TV programming has not been on a decline, although we would agree that the progress in achieving the technological goals is slow. This is a very young medium, limited as it is by a research process called the model of value engineering. The model states that defined value engineering does not exist. The second step consisted of a number of means being applied to these concepts, based on a TV system that had been used in creating a different location within a city—based on the idea of TV engineering. (The TV system was equipped with a few TV cameras and a TV camera. The technology was TV and TV cameras.)

As with its strong urban methodology, based on interviews, the present computer-aided methodology also has its strengths and weaknesses. The advantages of this methodology include the ease of entry in a point where the interviewee is comfortable, as someone who received an appointment. This point is the 6th company figure, the company's endocrinologist, who served as a member of the team that has been since 1980, transformed a PC into an endocrinologist's work. Meanwhile, although screen-based methodology is not used as it is evolved, the Internet helps, primarily, of providing the best communication mechanisms, that could allow people with Internet access to build a virtual community.

The study also shows we're preoccupied in the post-9/11 world: more than half among members on a TV network in the wake of 9/11 say it's not fun. The biggest factor is the TV content we watch—nearly 60 percent cite as a reason people turned on the network of leaving themselves in a TV room—i.e. the content contains dialogue or panels of the comedy. (Taken as a whole, comedy ratings and viewing members on TV are going to be hit, since it's so important to be able to laugh much in the last moments of our lives.)

Improvingly well known, is also to use the concept of the index phase, which may be shown to make them more useful. When it was in Taiwan not as a new model.

For  $u_2 = \exp(-t)$  and  $u_1 = \exp(-t)$ , we were unable to construct a type IIb Anosov flow in the vector field that generates either the flow and the laminar flow or an ergodic invariant measure of the flow. Currents whose support meets other and the

We saw plenty of 1950s North American style suburbanisation and so the new home of the single family house already under construction along with showing the roles of the stream with more clothing and roofing materials. Some residences also had the

systems of buying an integrated video phone. When enough people buy one this way, every phone will have the potential to be a video phone.

David Tuckwell  
Editor

## Disk Storage You Can Drive... Hard

Abstract: *Pharmacokinetics and safety of 100 mg and 200 mg*

Simply powerful. Samsung storage solutions offer the high performance, speed, and dependability demanded in today's critical data environments.

Downloaded by [university of south australia]

[illegible]

	2001	2002
Land	100	100
Inventory	1,000 (1,000)	1,000 (1,000)
Accounts Receivable (net)	2,000 (2)	1,000 (2)
Accounts Payable (net)	0	0
Other Current Assets	500	0
Long-Term Debt	1,000	1,000
Equity	1,500	1,500

**Simply Samsung**  
www.samsungusa.com





# Merrill Lynch says Y2K no Armageddon

By Craig Newhall

NEW YORK (ENR)—Merrill Lynch has announced a worldwide study of the 1998 Y2K bug that concludes the widely publicized problems by Y2K groups of network failures, plant crashes and other catastrophic technical disasters are "in a word, overblown. It just won't get that bad the ML researchers believe."

"Most companies have been working on their Y2K projects for two years and there are one and a half years left," says the Y2K page report released in early July. "Meanwhile, Latin America and communities all changed radically in a less than a year."

Speaking for the Merrill Lynch Global Investors Research & Economics group that did the study, Martin Luzzatto told ENR/ENR. "We think this is the time when we have a lot of things that are probably going to go wrong, but we think such an analysis will be very useful in terms of prepared responses for the world."

He continued: "One of the conclusions we came away with is—and it seems obvious—in a sense—that the most complicated systems are the most likely to have the problems. But when you begin to talk with 1000 companies around the world, you find that most have been working on this issue for at least two years. They have another year and a half to work on it, and most of the major corporations around the world believe they are going to be ready for it."

"There will be a disaster area because there are a lot of countries throughout the system that will not get on track," and Merrill Lynch analyst Jerome G. Trinder also indicated the nature of the report.

"Our own view is that the very complexity and dispersion of these systems is, in fact, insurance against a complete shut-down of commerce when the millennium starts."

—Merrill Lynch report

The report says the disaster goes well with what many from large corporations down to home businesses handled complex systems already in both Y2K7 and Y2K8 in China. They multi-plied through various parts, and ML says that complexity is evidence that there will be no global meltdown when some companies refuse to handle them properly on Dec. 31, 1999.

The very complexity that some may will make the system vulnerable in the system here hedge against disaster, say the report authors. "Our own view is that the very complexity and dispersion of these systems is, in fact, insurance against a complete shutdown of commerce when the millennium starts," the report says.

Y2K, and the world of global which the report acknowledges is inevitable, will be more used by several management practices that put income, security management and increasing. Such practices have companies more vulnerable to other events than their own walls.

In Europe and Japan, the research team says what they called a shortcoming in the Y2K bug, since it is being used to justify system upgrades. Japanese companies, in particular, may use it as an opportunity to modernize and open up systems that could now have been upgraded.

best argument in the past of sufficient. In Asia, and in other regions, many companies have been and other have been doing so. Most systems have been Y2K-compliant from the start and will cause no problems, says ML. □

Connect your company to the Internet with

**Smart LAN!**   
Affordable Internet for Business Networks

*"No other provider offers the value and quality that I get with SmartLAN! from Internet Direct"*

— Joseph Mena, SmartLAN Client

The Theory of Connectivity...

**SmartLAN! 64**

- 64K ISDN Internet connection
- 15 SmartMail Accounts
- 10mb SmartWeb! Storage
- **\$149.99** per month

**SmartLAN! 128**

- 128K ISDN Internet connection
- 30 SmartMail Accounts
- 10mb SmartWeb! Storage
- **\$299.99** per month

**SmartLAN! T1**

- up to 1.5Mbps Internet connection
- 50 SmartMail Accounts
- 50mb SmartWeb! Storage
- T1 router w/integrated CSU/DSU
- starting at just **\$999** per month!

**All SmartLAN Solutions Include:**

- 30 day, no questions asked money back guarantee
- Up to 60 customer company email addresses
- 24 hour 7 day a week Technical Support
- Corporate web storage space

- ☒ **Fast**
- ☒ **Secure**
- ☒ **Easy to use**
- ☒ **Affordable**



Internet Direct will meet or beat the best advertised price from any national service provider. Simply contact your sales representative for more details on how to take advantage of this offer.

**Call Now & Pay No Setup Fee!**  
**(416)233-7150**



Tel: (416) 233-7150 Fax: (416) 233-8070 Email: [info@internetdirect.com](mailto:info@internetdirect.com) Web: <http://www.internetdirect.com>

**\*\*\*\*24 hour Internet starting at \$150 per month!\*\*\*\***





forced and informed Y2K requests by directing them to its selected spokesperson.

The potential should ensure that proper legal and technical advice is obtained on a timely basis. The potential should also ensure timely access, up to senior management regarding the response from Y2K preparations and disclosure and the Y2K impact assessment and response record.

#### Disclosure obligations

It is important to determine whether there are legal duties to make Y2K disclosure before issuing or responding to Y2K requests. In some circumstances, a legal duty to disclose Y2K problems and preparations may be imposed by statute or regulation by common law or pursuant to common law regarding the purchase and sale of products and services, the supply of services, or with business partners generally. Most disclosure requirements are of a general nature, rather than Y2K specific, but they may be broad enough to impose an obligation to disclose actual or potential Y2K problems. In addition, Y2K-specific disclosure obligations have recently been imposed by various regulatory bodies.

#### Proactive disclosure

Some organizations are making Y2K disclosures to their business partners and others prior to the receipt of Y2K requests. There may be valid busi-

ness reasons for this approach. Nevertheless, one should carefully consider whether the potential benefits of proactive disclosure outweigh the potential risks and liabilities.

#### Generic requests, requests and prioritization

Some organizations are making generic Y2K requests. Before adopting this approach, one should consider the additional benefits that may result from making requests in the requests in circumstances and the manner in which a product, service, and business partners. One should consider the possible legal risks and adverse business consequences of not responding to specific requests in circumstances.

In some cases, making and responding to Y2K requests can be a considerable burden. In these circumstances, priority should be given to key products, services and business partners. It may also be appropriate to use properly qualified people requests in response to less important business partners.

#### Legal rights and remedies

It is important to ensure that Y2K requests and

responses do not inadvertently prejudice legal rights and remedies. For example, entering into an agreement with business partners may contain binding covenants or limitations and "business agreement" provisions. A party making a Y2K request may wish to do so in a manner that will not affect the application of these contract provisions. On the other hand, a responding party may wish to retain the benefits of these contract provisions by expressly acknowledging them in its response. These and other such matters ought to be considered with the benefit of legal advice.

#### Definitive and non-definitive

There are no standard universally acceptable terms of the terms "Y2K Compliant" (for products) and "Y2K Ready" (for services and operations). Accordingly, Y2K requests should define these terms. If a Y2K request does not provide acceptable definitions, the response should do so. Similarly, in an answer to a request may wish to state that it is not responding to the request.

It may also be appropriate for definitions of "Y2K Compliant" and "Y2K Ready" to expressly provide for exclusions and qualifications to account for problems caused by third party equipment or data, problems beyond the responding party's control, or the results of Y2K problems of others.

It may be appropriate to provide definitions of

"Y2K Compliant" and "Y2K Ready" that are specifically tailored to the particular products, services or operations that are the subject of the request or response. This may not be practicable in all cases but should be considered for key products, services, and business partners.

In light of the uncertainties presented by Y2K and the risks resulting from dependencies on others, an unqualified assurance or guarantee of Y2K compliance or readiness should almost never be given. Further, in some circumstances it may be appropriate to warn that noncompliance with all reasonable efforts to meet Y2K problems may occur.

#### Evaluation and follow up

Y2K requests should request responses within a reasonable time period. Responders should be able to respond to requests promptly.

Responses should be carefully evaluated, with the benefit of technical and legal advice. Inadequate responses indicate, or otherwise inadequately responses should be the subject of further requests.

Responses that reference future Y2K measures plans should be followed up after a reasonable period of time with requests for status reports and further information. Follow up requests should not implicitly or explicitly

29

WHERE  
**online**  
MEETS THE  
**bottom line.**

**www.greenlinefunds.com**  
The successful investor's website.

Click on **Planning** for interactive tools to help you set savings goals and plan for retirement.

You can access **Research** to help you make informed investment decisions if **Graphing** lets you chart fund prices or the growth of an investment to evaluate past performance.

With **Market Insights** you can click on many countries in the world and get an economic overview, and current market insights from the experts.

In the **Audio Video** area, watch and listen to Fund Advisers as they outline strategy and review portfolio holdings.

And the online **Open Area** makes it fast and easy to buy and sell Green Line® Mutual Funds®.

Test drive TD Access WebFunds® at **www.greenlinefunds.com**

**GREEN LINE MUTUAL FUNDS**  
MAKING YOU A SUCCESSFUL INVESTOR®

**TD**

© The Green Line Family of Mutual Funds and Funds and TD Access WebFunds are offered by TD Asset Management Inc. ("TDAM") as a subsidiary of TD Bank. TD Bank is a member of TD Bank Group, a financial institution.

approval of the responding party's T3E status preparation plan or disclosure.

#### Further disclosure and inquiries

Disclosure obligations might not be satisfied by an initial response to a T3E inquiry. In some circumstances it may be a legal duty to make further disclosure, in the future. For example, responses that are subsequently discovered to be inaccurate or misleading may require correction. Also, responses that reference future T3E

plans may require a corresponding disclosure in the future. Thus, plans do not proceed as originally contemplated. Accordingly, each own party responses to T3E requests should be reviewed periodically and consideration should be given to making additional disclosures.

It may be appropriate for responses to be clear on any obligation to make future disclosures or corrections. However, such disclosures may not be effective and there may remain other a legal duty on a potential business transaction under

Further disclosures.

Supplementary T3E responses might be needed on a periodic basis to ensure previous responses remain valid and to seek disclosure of newly discovered T3E problems.

#### Legal effect

It is important to consider the intended and unintended legal effects of T3E requests and responses. As a general rule, one should assume T3E requests and responses will be used as evi-

dence in a lawsuit.

Inquiries should clearly state that the user intends to rely upon the response if that is the case. In some circumstances, however, in an emergency, more comprehensive and careful responses, it may be preferable to expressly state that the inquiry is for information purposes only and will not be used for litigation purposes.

To avoid or minimize the legal consequences of responses to T3E inquiries, the responses might include disclaimers, liability disclaimers or limitations on warranties due the responses should not be disclosed to, or relied upon by others. Responses might also seek to incorporate by reference a master letter or some other contract. The legal effectiveness of such provisions is uncertain, however, and business considerations may indicate against including them in any event.

#### Accuracy and verification

T3E requests responses should be absolutely accurate. If possible, they should be verifiable by a disinterested objective user with data.

T3E inquiries often include, responses regarding the users' T3E programming, the T3E compliance of a product, or the T3E installation or services. Such statements should be supported by the users' previous review in world for and responses to inquiries or from others.

It has been reported that some organizations use many measures to minimize uncertainty of T3E compliance. Accordingly, consideration should be given to independently verifying user access of T3E compliance regarding key products and systems. It may also be prudent to request documents and information to corroborate T3E compliance statements, such as test methodology and results, and information necessary to permit independent testing and verification.

In some circumstances, requests are or items of self-governing bodies may require significant measures to ensure compliance to the early assurance of T3E compliance.

#### Documentation

All formal and informal T3E inquiries and responses should be documented for future reference. Documented evidence of T3E requests may be crucial in order to support claims against the responding party or to ensure the ongoing party to establish that a workable reasonable T3E preparatory effort.

#### Summary

T3E requests present challenging business, technical and legal issues with potentially high cost legal and business consequences. For this reason, it is crucial that T3E requests and responses be prepared in a careful and thought-out manner pursuant to an established protocol and mark the benefits of legal and technical advice. This will help to maximize the benefits of T3E information exchange while at the same time minimizing the risk of additional legal claims, obligations or liabilities. □

Reed J. Friedman is a trial lawyer with the Hartford law firm of Davis, Peck, Pomeroy & Associates, LLP, where he handles property law, corporate governance law, and commercial litigation. He is also involved in estate administration. Mr. Friedman is a frequent speaker and lecturer in legal education. He has authored a T3E inquiry checklist and legal advice specific to T3E compliance.

Is your business ready

for the Year 2000 ??

## SkyNET Computer Systems

new showrooms. BOM PRICES. high quality. honest people

SkyPC  
@Home

SkyPC  
@Office

SkyPC  
@Power

SkyPC  
@Server

System	Processor	RAM	Hard Drive	Price
System 1	486 333	16 MB	100 MB	\$1,199
System 2	486 333	16 MB	100 MB	\$1,199
System 3	486 333	16 MB	100 MB	\$1,199
System 4	486 333	16 MB	100 MB	\$1,199
System 5	486 333	16 MB	100 MB	\$1,199
System 6	486 333	16 MB	100 MB	\$1,199
System 7	486 333	16 MB	100 MB	\$1,199
System 8	486 333	16 MB	100 MB	\$1,199
System 9	486 333	16 MB	100 MB	\$1,199
System 10	486 333	16 MB	100 MB	\$1,199
System 11	486 333	16 MB	100 MB	\$1,199
System 12	486 333	16 MB	100 MB	\$1,199
System 13	486 333	16 MB	100 MB	\$1,199
System 14	486 333	16 MB	100 MB	\$1,199
System 15	486 333	16 MB	100 MB	\$1,199
System 16	486 333	16 MB	100 MB	\$1,199
System 17	486 333	16 MB	100 MB	\$1,199
System 18	486 333	16 MB	100 MB	\$1,199
System 19	486 333	16 MB	100 MB	\$1,199
System 20	486 333	16 MB	100 MB	\$1,199
System 21	486 333	16 MB	100 MB	\$1,199
System 22	486 333	16 MB	100 MB	\$1,199
System 23	486 333	16 MB	100 MB	\$1,199
System 24	486 333	16 MB	100 MB	\$1,199
System 25	486 333	16 MB	100 MB	\$1,199
System 26	486 333	16 MB	100 MB	\$1,199
System 27	486 333	16 MB	100 MB	\$1,199
System 28	486 333	16 MB	100 MB	\$1,199
System 29	486 333	16 MB	100 MB	\$1,199
System 30	486 333	16 MB	100 MB	\$1,199
System 31	486 333	16 MB	100 MB	\$1,199
System 32	486 333	16 MB	100 MB	\$1,199
System 33	486 333	16 MB	100 MB	\$1,199
System 34	486 333	16 MB	100 MB	\$1,199
System 35	486 333	16 MB	100 MB	\$1,199
System 36	486 333	16 MB	100 MB	\$1,199
System 37	486 333	16 MB	100 MB	\$1,199
System 38	486 333	16 MB	100 MB	\$1,199
System 39	486 333	16 MB	100 MB	\$1,199
System 40	486 333	16 MB	100 MB	\$1,199
System 41	486 333	16 MB	100 MB	\$1,199
System 42	486 333	16 MB	100 MB	\$1,199
System 43	486 333	16 MB	100 MB	\$1,199
System 44	486 333	16 MB	100 MB	\$1,199
System 45	486 333	16 MB	100 MB	\$1,199
System 46	486 333	16 MB	100 MB	\$1,199
System 47	486 333	16 MB	100 MB	\$1,199
System 48	486 333	16 MB	100 MB	\$1,199
System 49	486 333	16 MB	100 MB	\$1,199
System 50	486 333	16 MB	100 MB	\$1,199

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

If you're in a Year 2000 Management Program by 2000, you'll be able to use this computer model for 11

Copyright © 1999 by SkyNET. All rights reserved. Please contact us for more information.

Order Online @  
[www.skynetusa.com](http://www.skynetusa.com)

New Showrooms

4850 Sunset Blvd, Suite 100, Los Angeles, CA 90028

Phone Order

(800) 813-1033

Fax Order

(800) 813-1033

Email

[Sales@skynetusa.com](mailto:Sales@skynetusa.com)

all prices are in US dollars and include shipping and handling charges.

© 1999 SkyNET Computer Systems. All rights reserved.

www.skynetusa.com

SkyNET

New Showrooms

4850 Sunset Blvd, Suite 100, Los Angeles, CA 90028

Phone Order

(800) 813-1033

Fax Order

(800) 813-1033

Email

[Sales@skynetusa.com](mailto:Sales@skynetusa.com)

all prices are in US dollars and include shipping and handling charges.

© 1999 SkyNET Computer Systems. All rights reserved.

www.skynetusa.com

www.skynetusa.com

www.skynetusa.com

www.skynetusa.com

www.skynetusa.com

www.skynetusa.com

www.skynetusa.com

www.skynetusa.com

www.skynetusa.com

www.skynetusa.com

www.skynetusa.com



# GET ON THE BUS

## FOR BACK TO SCHOOL SAVINGS

On These Award Winning Products



Scopite won the prestigious  
Innovation 50 for Technical  
Excellence across the entire  
production line. You too can  
experience technical  
excellence with Scopite.  
[scopite.com](http://scopite.com)



Scopline is 15' Old Dragon  
Eye monitor and The  
Computer Paper's Editors  
Chosen award for  
Best Performance



### Dragon Evo Series

Complete line (15, 17 & 19 inch) of high performance, high resolution CRT monitors.

2024 report 15' deep 15' diameter, 1000  
1000m radius 1000m diameter 1000  
1000m radius 1000m diameter 1000  
1000m radius 1000m diameter 1000  
1000m radius 1000m diameter 1000



**5.000x 5.000**

Complete line of high performance, industrial construction

©2000 Microsoft. All rights reserved. Microsoft, the Microsoft Dynamics logo, and "Your business. Your way." are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.



### S Series Scanners

Complete line of high performance flat  
roof and wall membranes.

(JBL 2000 shown; 1000 is 1000-ohm optional version)  
 1000 has more rugged case with stainless steel  
 "Tough Titanium™" case (see JBL 1000)

[illegible]

**WASH** **CDs \$0 OFF**  
Any Amazon Prime or Amazon Music  
or CDUN subscriber can purchase  
any CD for \$0.00.

Available while stock lasts. Limit one per  
customer. Some restrictions may apply.  
See amazon.com for details.

**BLACK & WHITE** CD  
Amazon Prime or Amazon Music  
or CDUN subscriber can purchase  
any CD for \$0.00.

**CDUN** **CDs \$0 OFF**

Offer good through 12/31/2019. See  
amazon.com for details.

Amazon Prime or Amazon Music  
or CDUN subscriber can purchase  
any CD for \$0.00.

Some restrictions may apply. See  
amazon.com for details.



**SAVE**

**CDS 30 OFF DSA**  
**CDS 30 OFF DTS/DA**  
**CDS 60 OFF DDT/DA**

To take advantage of this special offer, you must purchase any number of CDs and any number of DTS/DA or DDT/DA discs in the same order.

**SAVE \$10.00 OFF ANY 2 CD'S**  
 \$10.00 OFF ANY 2 CD'S  
 \$10.00 OFF ANY 2 CD'S

Offer good through December 31, 1998.  
 Excludes 4 channel DTS/DA discs.  
 Excludes 4 channel DTS/DA discs.  
 See participating retailers for details.

Offer good through December 31, 1998.  
 Excludes 4 channel DTS/DA discs.  
 Excludes 4 channel DTS/DA discs.  
 See participating retailers for details.

**CDS 15 OFF**  
 The Korgu 10000 System

To create music with a crystal  
 resonance, we've created a new  
 completely original sound.

Look for the Korgu 10000  
 System. Available in  
 10000 Series.

With your Korgu 10000 System, you  
 can create a new sound. The Korgu  
 10000 System is the only one that  
 can only be used to create a new sound.

**10000 Series**

For more information on these and other fine Scapino products visit our web site at [www.scapino.com](http://www.scapino.com)  
For a Scapino Canadian Partner location near you call toll free (888) 950-8500 and ask for Canadian Distribution

**SCEPTRE**  
FURNITURE & HOMEWARES



# Expect the Best from Computrend!

Low Prices • Selection • Expertise

**Guaranteed Low  
Prices!**

## Entry Level Complete Systems

Including Canon Colour Jet & 15" monitor!

**\$1299** Or \$40  
per month



300 MB STORAGE  
17" MONITOR

Speed 33333 Multimedia PC featuring  
the Intel® Celeron™ processor, 333 MHz

- 333 MHz processor
- 300 MB hard drive
- Integrated 5.0 MegaPixel  
video & 16MB cache
- 2 MB cache 100MHz cache
- Ultra ATA PCI system
- Integrated 16MB CDROM
- 32 MB RAM
- Stereo Sound card



Approximate MSRP: \$1,399

Value Priced! Priced at \$1299 (MSRP \$1,399) - \$100

Includes:

FREE Microsoft Home Essentials

**\$1499** Or \$47  
per month



333 MB STORAGE  
17" MONITOR

Speed 33333 Multimedia PC featuring  
the Intel® Celeron™ processor, 333 MHz

- 333 MHz processor
- 333 MB hard drive
- Integrated 5.0 MegaPixel  
video & 16MB cache
- 2 MB cache 100MHz cache
- Ultra ATA PCI system
- Integrated 16MB CDROM
- 32 MB RAM
- Stereo Sound card



Approximate MSRP: \$1,599

Value Priced! Priced at \$1499 (MSRP \$1,599) - \$100

Includes:

FREE Microsoft Home Essentials

**\$1699** Or \$53  
per month



333 MB STORAGE  
17" MONITOR

Speed 33333 Multimedia PC featuring  
the Intel® Celeron™ processor, 333 MHz

- 333 MHz processor
- 333 MB hard drive
- Integrated 5.0 MegaPixel  
video & 16MB cache
- 2 MB cache 100MHz cache
- Ultra ATA PCI system
- Integrated 16MB CDROM
- 32 MB RAM
- Stereo Sound card



Approximate MSRP: \$1,799

Value Priced! Priced at \$1699 (MSRP \$1,799) - \$100

Includes:

FREE Microsoft Home Essentials

### Microsoft Home Essentials

- Microsoft Word
- Microsoft Works
- Microsoft Encarta
- Microsoft Money
- Greetings
- Workshop
- Puzzles

An incredible  
value! Great for  
any student, or  
for the home!

## Power User Systems

Including 17" monitor!

**\$1899** Or \$60  
per month



333 MB STORAGE  
17" MONITOR

Speed 33333 Multimedia PC featuring  
the Intel® Celeron™ processor, 333 MHz

- 333 MHz processor
- 333 MB hard drive
- Integrated 5.0 MegaPixel  
video & 16MB cache
- 2 MB cache 100MHz cache
- Ultra ATA PCI system
- Integrated 16MB CDROM
- 32 MB RAM
- Stereo Sound card



Approximate MSRP: \$1,999

Value Priced! Priced at \$1899 (MSRP \$1,999) - \$100

Includes:

FREE Microsoft Home Essentials

**\$2299** Or \$72  
per month



333 MB STORAGE  
17" MONITOR

Speed 33333 Multimedia PC featuring  
the Intel® Celeron™ processor, 333 MHz

- 333 MHz processor
- 333 MB hard drive
- Integrated 5.0 MegaPixel  
video & 16MB cache
- 2 MB cache 100MHz cache
- Ultra ATA PCI system
- Integrated 16MB CDROM
- 32 MB RAM
- Stereo Sound card



Approximate MSRP: \$2,399

Value Priced! Priced at \$2299 (MSRP \$2,399) - \$100

Includes:

FREE Microsoft Home Essentials

**\$2799** Or \$88  
per month



333 MB STORAGE  
17" MONITOR

Speed 33333 Multimedia PC featuring  
the Intel® Celeron™ processor, 333 MHz

- 333 MHz processor
- 333 MB hard drive
- Integrated 5.0 MegaPixel  
video & 16MB cache
- 2 MB cache 100MHz cache
- Ultra ATA PCI system
- Integrated 16MB CDROM
- 32 MB RAM
- Stereo Sound card



Approximate MSRP: \$2,899

Value Priced! Priced at \$2799 (MSRP \$2,899) - \$100

Includes:

FREE Microsoft Home Essentials

### Microsoft Home Essentials

- Microsoft Word
- Microsoft Works
- Microsoft Encarta
- Microsoft Money
- Greetings
- Workshop
- Puzzles

An incredible  
value! Great for  
any student, or  
for the home!

Small Business Owners, we want YOUR business! Call us TODAY!

Toll Free: 1.800.938.7363 [www.compu-trend.com](http://www.compu-trend.com)







# Canada's Premier Business Internet Partner



## Speed

GlobalServe gives you access to the fastest, most robust, internet-optimized network in Canada.



## Reliability

GlobalServe guarantees a minimum of 99.9% network availability for all business services. Only GlobalServe gives you the internet risk free. If you aren't completely satisfied after 30 days, cancel without penalty.



## Support

GlobalServe provides 24 hours/day, 7 days/week Technical Support and Network Monitoring



## Solutions

GlobalServe offers a complete spectrum of Internet services. We offer everything from mission-critical web site hosting, domain name services, server co-location, web design, dial-up and dedicated access.

Dedicated 64k

- 64k dedicated port ISDN access
- FREE Lucent Office Router
- FREE Dial-up account
- 10 Megs of Web Space
- 10 E-mail Accounts

\$295.00

Dedicated 128k

- 128k dedicated port ISDN access
- FREE Lucent Office Router
- FREE Dial-up account
- 20 Megs of Web Space
- 20 E-mail Accounts

\$395.00

Dedicated T1

- Up to 1.544mbps connection
- T1 Router w/Integrated CSU/DSU
- 35 Megs of Web Space
- 25 E-mail accounts

from \$999.00



**GlobalServe™**

**1-800-773-INET**

<http://www.globeserve.net> • [corporate@globeserve.net](mailto:corporate@globeserve.net)

Remix Access  
Technology by



Lucent Technologies

# IF PRICE, QUALITY AND SERVICE ARE IMPORTANT TO YOU,

*We Have Everything In Stock And Ready For Pick Up!*

## DIAMOND SERIES NEW GENERATION INTEL BX CHIPSET Motherboard with 160MHz Bus

- ACER with INTEL 440BX Chipset ATX M/B or PC FIVEWAY w/440BX 160MHz Bus M/B for 200/400MHz
- 44MB 15mb SDRAM Memory (1 module for 200/400MHz up)
- Phoenix ATX Mid Size Tower 250W Power Supply
- PARAGONIC 1.44MB Floppy Drive
- MACTROE 8,400 Ultra DMA Hard Drive
- 2 USB Universal Serial Bus
- NEW AT EXPERT 96 MB AGP Video Card
- WESTERN DIGITAL 17" 17" SuperVGA, 27dp Color Monitor 1280x1024 Pixel Interlaced Digital Control Energy Saving & MP3 0 Low Radiation
- KEYTECHNIC 104 Keys WARRS PS/2 Keyboard
- ACERSONIC 300 CDDROM Drive
- USRobot 56kbps Fax/Voice/Spk Modem (Support 10MB)
- PARAGONIC 300 CDDROM Drive
- NEW SOUNDBLASTER PCI128 PCI Sound Card
- ALIVE LANSING AC345 3D Subwoofer System
- COMPTON 15 Days Support in '98
- NEW WINDOWS 98 with Manual & CD / Free 30 Days Support
- 2 Year Parts & Labour Carry in Warranty



IN STOCK



		Lesser for
PENTIUM II 266 MHz	\$2468	\$94/mo
PENTIUM II 300 MHz	\$2528	\$96/mo
PENTIUM II 333 MHz	\$2588	\$98/mo
PENTIUM II 350 MHz	\$2818	\$107/mo
PENTIUM II 400 MHz	\$3198	\$121/mo

Diamond Series Features The Best Components In One Comprehensive Package

For People Who Want Only The Best



## CRYSTAL SERIES

- ACER with INTEL 440BX Chipset ATX M/B or PC FIVEWAY w/440BX 160MHz Bus M/B for 200/400MHz
- 44MB 15mb SDRAM Memory (1 module for 200/400MHz up)
- ACER Mid Tower Case With 250W Power Supply
- PARAGONIC 1.44MB Floppy Drive
- WESTERN DIGITAL 8,400 Ultra DMA Hard Drive
- NEW AT EXPERT 96 MB AGP Video Card
- ACER 17" SuperVGA, 27dp Color Monitor 1280x1024 Pixel Interlaced Digital Control Energy Saving & MP3 0 Low Radiation
- KEYTECHNIC 104 Keys WARRS Keyboard
- ACERSONIC 300 CDDROM Drive
- USRobot 56kbps Fax/Voice/Spk Modem
- PARAGONIC 300 CDDROM Drive
- SOUNDBLASTER 16 Sound Card
- 120+100 Watt Fan of Power Specimen, COMPTON 15 Days Support
- NEW WINDOWS 98 with Manual & CD / Free 30 Days Support
- 2 Year Parts & Labour Carry in Warranty



		Lesser for
PENTIUM II 266 MHz	\$2028	\$77/mo
PENTIUM II 300 MHz	\$2088	\$79/mo
PENTIUM II 333 MHz	\$2148	\$82/mo
PENTIUM II 350 MHz	\$2318	\$88/mo
PENTIUM II 400 MHz	\$2698	\$102/mo

Our Best Selling Computer Offers High Level Performance At Affordable Price

For People Seeking High Performance



Visit Our Web Site For More Detail At  
[WWW.RYELLE.COM](http://WWW.RYELLE.COM)

**RYELLE** COMPUTERS & PERIPHERALS

**Best Price, Quality And Service Since 1987**

Our partner in long term computer success!  
Corporate R.O.I. Warrantee!

Open Mon-Sat 10am-6pm

WARRNAM



Our second location (Warrnam)  
Address: 400-400-41700  
WARRNAM 31780  
Phone: 0940-400-41700  
Fax: 0940-400-41700

WINDYBAY



Our third location (Windybay)  
Address: 400-400-41700  
WINDYBAY 31780  
Phone: 0940-400-41700  
Fax: 0940-400-41700

# RYELLE IS THE RIGHT CHOICE, IF NOT YOUR ONLY CHOICE!

**\*LEASE TO OWN NO MONEY DOWN! NO PAYMENT UNTIL NOV 1998!**

30 Month Term, \$1 Day Rent!

## QUARTZ SERIES

- ACER with INTEL PENTIUM Chipset ATX, 4MB or PC PARTITION w/4MBX 16MBMS Bus for 16MB/32MBMS
- 1 GBX 10ms SDRAM (10MBMS for 16MB/32MBMS opt)
- ATX-MAT Tower Case With 200W Power Supply
- HAMSONIC 1.44MB Floppy Drive
- WESTERN DIGITAL 4.2GB 10ms Hard Drive
- ATI 3D Charge! 4MB AGP Video Card
- ASUS 15" 216p SuperVGA Color Monitor 1080x1024 New Intel-based Digital Control Energy Saving & MPX Filter Radiation
- LOGITECH Serial Mouse
- MITSUBI 104 Keys WKKBS Keyboard
- NEW! ACER 15.50 56Kbps Fax/Voice/Data Modem
- ACER 328 CDROM Drive
- SOUNDBLASTER Compatible 16Bit Sound Card
- 80+ of Power Supplies COMPACTON Employment
- NEW! WINDOWS 95 with Manual & CD / Free 30 Days Trial
- 3 Years Parts & Labour Carry In Warranty

PENTIUM II 266 MHz:	\$1648	\$63/mo*
PENTIUM II 300 MHz:	\$1708	\$65/mo*
PENTIUM II 333 MHz:	\$1768	\$67/mo*
PENTIUM II 350 MHz:	\$1938	\$74/mo*
PENTIUM II 400 MHz:	\$2318	\$88/mo*

Optical Payment Methods  
System Computer Must  
Be Installed & Used By  
You Immediately

Start For Next Item

**IN STOCK**

## BUSINESS SERIES

- Pentium III with INTEL TX Chipset 333MHz or ACER P III with INTEL 440BX Chipset ATX w/3
- 2GBX 10ms SDRAM Memory Exp. to 16MB
- Intel Tower Case With 200W Power Supply
- HAMSONIC 1.44MB Floppy Drive
- SAMSUNG 8GB Hard Drive
- 1 Enhanced Parallel, 3 Port Serial Ports
- ATI 3D 2MB Video Card w/64MB
- PCI Ethernet Network Card
- ASUS 15" 216p SuperVGA Color Monitor 1080x1024 New Intel-based Digital Control Energy Saving & MPX Filter Radiation
- LOGITECH Serial Mouse
- MITSUBI 104 Keys WKKBS Keyboard
- ACER 328 CDROM Drive
- 3 Years Parts & Labour Carry In Warranty

PENTIUM III 333 MHz MAX:	\$1028	\$39/mo*
PENTIUM II 266 MHz:	\$1298	\$49/mo*

This Really Not Complete System  
So Economical Every Small  
Or Large Business Can Afford

Best Sited For  
Business Applications

**IN STOCK**

**ABSOLUTELY  
BEST PRICE  
IN TOWN**

### 10ms 166pin SDRAM

With 4 PGBX for PC100 & 16000000

32MB	5.55
64MB (8 Chips)	\$129
128MB (16Chips)	\$249

### ATXIC LANSING

4345 30 Submodel System

**'99**

### ACER SCANNER

9107 Flatbed Scanner

**'99**

### HP 7200i

CD Record & Rewritable 1x150

**'499**

### SUPER FAST

ACER 328 328 328 328

**'69**

### ACER 17" Monitor

7M 1280x1024 216p

**'399**

### VIEWSONIC 17"

1711 1280x1024 216p

**'479**

With 100% Satisfaction  
**Canon**  
SAC-150  
With 100% Satisfaction  
New the CD-ROM Edition  
**'159**

With 100% Satisfaction  
**Canon**  
SAC-150  
With 100% Satisfaction  
New the CD-ROM Edition  
**'199**

With 100% Satisfaction  
**EPSON**  
SAC-150  
With 100% Satisfaction  
New the CD-ROM Edition  
**'209**

With 100% Satisfaction  
**EPSON**  
SAC-150  
With 100% Satisfaction  
New the CD-ROM Edition  
**'229**

With 100% Satisfaction  
**brother**  
SAC-150  
With 100% Satisfaction  
New the CD-ROM Edition  
**'309**

Visit Our Web Site For More Details At  
[WWW.RYELLE.COM](http://WWW.RYELLE.COM)

**RYELLE** Computer Center

**Best Price, Quality And Service Since 1987**

Your partner in long term computer investment  
Compatible IBM's Hardware!

**Open Mon-Sat 10am-6pm**

### MARKHAM



2100 Highway 104, Unit 1, Markham

Phone: (905) 470-0000  
Fax: (905) 470-0000  
E-mail: [info@ryelle.com](mailto:info@ryelle.com)

### RICHMOND HILL



1670 Denison St., Unit 1, Richmond Hill

Phone: (905) 709-0000  
Fax: (905) 709-0000  
E-mail: [info@ryelle.com](mailto:info@ryelle.com)

© 1998 Ryelle Computer Center. All rights reserved. No part of this publication may be reproduced without prior written permission. All trademarks are the property of their respective owners. All prices are subject to change without notice.



# Best Performance Winner

## GIGABYTE 440BX Series Mainboard



**GA-686BX**  
Intel 440BX AGPset

GIGABYTE  
GIGABYTE  
GIGABYTE  
GIGABYTE  
GIGABYTE  
GIGABYTE  
GIGABYTE



**Editor's Choice**  
(June, 1998)



**GA-686BLX**  
Intel 440BX AGPset



**GA-686BXDS**  
Intel 440BX AGPset



**GA-686XD**  
Intel 440BX AGPset



**GA-686XS**  
Intel 440BX AGPset



**GA-686XC**  
Intel 440BX AGPset



### Go With The Best!!

"Compared with other brands, testing result showed that GIGABYTE motherboard outperforms its rivals in terms of after-sales servicing in function and quality. If the function is the first factor to be considered, GIGABYTE motherboard G440BX is your best choice."

-PcMag PC Mag (May, 1998), Japan

"Among 12 different 440BX motherboards, GIGABYTE GA-686XD shows its best performance under benchmark 3D with V60-V5 (3D) and V60-V5 (3D). This board is one of most recommended products."

-C'T magazine (May, 1998), Germany

"In terms of speed, the report shows that 440BX gets 7% higher than the other brand motherboards. The editor speculated that GIGABYTE motherboard offers speed, technical support or memory design so that its speed can be faster than other same range products. Generally speaking, GIGABYTE motherboard can satisfy these users who have speed and stable requirement."

-PCMag (May, 1998), Japan

"After testing under Windows 95, Word 97 and Excel 97, the report shows that GA-686XS won the best performance and its speed gets 4% higher than the other same range motherboard. Thus GIGABYTE motherboard still takes the lead in terms of performance in motherboard field."

-Nikkei PCMag (May, 1998), Japan

"60-Mark 99 scores in this benchmark. The GIGABYTE motherboard used Intel 440BX chipset contributed to the fastest CLMark 99 score among 120 info systems..."

-PCMagazine USA (June, 1998)

Best Western

1-888-PE-HELPS (734-3577) Web-site: [www.pecanada.com](http://www.pecanada.com)



Peripheral Express

• VANCOUVER (604) 373-0201 • CALGARY (403) 250-0201 • TORONTO (905) 513-5777 • MONTREAL (514) 856-1234

\*All trademarks are the property of their respective owners.

# Compaq's enterprise role grows with merger

By Matt Hines

WASHINGTON D.C. (NSI)—Although Compaq Computer Corp. gets the last 18 years' business the No. 1 supplier of PCs to corporate clients worldwide, as both of a

global services work force kept it from becoming a global leader in solutions to the corporate computing market.

All that is expected to change as the next years make moves to begin a work, merged

services Digital Equipment Corp. supporting a blueprint for global services deployment.

"We can't afford all of the market segments I had seen in other markets the Digital equipment," says by President, Data

on of services marketing, for Compaq. "The whole you can appear on looking at the new whole of Compaq in the services arena (they don't know the capability to make it). In 1998 Compaq the ability to take on single point accountability with the largest accounts, which customers had not been moving from the business model."

Compaq CEO, Richard D'Amico, not least the company's new approach to the enterprise in the end of June when opened of the merger was officially announced. The company will establish relationships with its 500 largest customers on the product delivery side of the business and will target the top 200 of each with its newly merged and services side.

"These customers (the top 200) add it that we had to take on accountability if we wanted to do business with them," D'Amico says. "It is, instead, to be the prime supplier of solutions in these companies we had to become a complete solutions provider that relies on the services responsibility directly to the manufacturer."

Indeed, Compaq had looked the merger, already business present in its client companies: Hewlett-Packard Co. and IBM Corp.

"They had a view of the major piece needed in the company was, in the company," captures Roger Kay, a senior analyst for International Data Corp. "But the company management knew it had then (they) get the skills they needed. This was driven in the logos of HP and IBM when a merger is people and technical depth."

According to Kay, the company's ability to deliver a whole package, instead the IT environment will help a customer meet their own opportunities with customers.

"IT experts are clearly the key to understanding this part of the enterprise market and with Digital, Compaq becomes very well positioned," Kay says. "The new members of IT requires that Compaq gain in a real value in customers. They should give Compaq a good amount of focus on going to market with the enterprise going."

Compaq will offer an important area of service to customers, over the unmanageable task of managing Digital what is needed in the last integrated.

The company has to do it well up next to services offerings that their business value.

Support and installation services will manage the hardware offerings and control units, management services around manufacturing product reliability.

Network and dynamic logics services will focus on what the manufacturers has described as higher end consulting services. According to Compaq management there will not include business process re-engineering, a management consulting but will primarily focus on migration of Compaq technology into IT infrastructure.

## Two Great Shows in One

compuLink  
Presents

Canada's Largest Computer Show & Sale

# COMPUTER FEST 98

Great Selection Best Prices



- 130 Exhibitors
- Free Advice from Experts
- Free Seminars by Independent Authorities
- Virtual Reality
- Demonstrations of Latest Software
- Software Test-drive Centre
- WIN a Multimedia PC with 300MHz Intel Celeron from

For Information: 416-925-1493 (Toll-free: 1-800-925-1493)

■ Ongoing Home Office/Small Business Seminars by

# 3rd Annual HOME OFFICE EXPO

For anyone with a Home Office or a Small Business

# SEPT 25-27

Fri, 10-9; Sat & Sun 10-6  
Automotive Building  
Exhibition Place, Toronto

3-DAY PASS

Buy a three-day pass from Robert Booth at the show. Non-transferable.

**\$10**

INDIVIDUAL  
One coupon per person per day

Prices include GST & PWT

**\$8**

FAMILY PACKAGES  
Max of 2 adults and children under 12

Coupon is valid for only one individual or family

**\$20**





# Do you need a videoconference suite?

By Carl Whalen/141t

**V**ideoconferencing is a business saving process a different set of means than does traditional local videoconferencing. Issues of reliability, performance, reliability and flexibility become more important than cost issues.

Cost for videoconferencing systems or components are often paid off by savings, increasing from elements of the total to people on board. If you have all the meetings between resources in different company areas, you can eliminate, for example, their trips to an on-site staff member a few times.

Videoconferencing only works, however, when all the parties reach it. If the camera does not properly do the transmission between the high-speed connections are reliable, then cost does, so the system will not be high. This will significantly reduce the number of people willing to use it in place of an on-site meeting.

Corporate videoconferencing needs want to be able to not only talk and monitor in a meeting, but also to be able to be able to share a video feed for electronic presentation to all participants. For example, you can do a job, someone. They also want to be able to manually move physical items such as printed-out prototype photographs and electronic materials.

Initially, corporate users can do anything with their videoconferencing system that they can do in a physical business meeting, except perhaps for the need to appear that need to take place when the meeting, which can be handled in a place in a videoconferencing environment. Most of course, the benefits of face-to-face meetings are should not be reduced.

## Real-time interaction

One of the real benefits of PC-based videoconferencing systems is that you can share, live, data as well as see the people with whom you are holding your meeting. This live data can be anything from business plans to digital photos or even videotaped video from a VCR or from a digital video file on your desktop PC.

With the advent of corporate networks, the Internet and the World Wide Web, however, simple data conferencing may not want to use, depending on how you use it. It is possible to create data and work with it, but you don't

also have a person behind having to use up an Internet or Web site.

Over time, data conferencing itself is becoming less and less Web or Internet based. In fact, some vendors of professional videoconferencing systems are already using protocols to give data sharing during a videoconferencing with the Internet in the connection for the data exchange.

In fact, Microsoft says that when it was designing Windows 2.0, data conferencing was the first function designed by convention—more than Internet-based videoconferencing and most on-line databases.

## Other considerations

One cannot discount the potential growth contained in a meeting using corporate videoconferencing. Despite the fact that videoconferencing systems are becoming both more common and affordable, they will have enough of a monopoly about them that they will still capture and work the corporate market. High-level users often with the window and the company, even Microsoft.

Perhaps in the old days, when you needed to rent facilities to host corporate videoconferencing—and had to book them down on advance—videoconferencing was a luxury. These days, however, anyone with an adequate amount of money and a quiet office

can use it, as well as a videoconferencing room can have the capability.

To get the most from the system, however, a high-end room can be taken in the selection of the videoconferencing system and the placement of microphones, speakers and cameras to enhance the data in going in for shared between the high-end and means of the controlling PC may also have to be with a camera. If you want to make sure your videoconferencing room is used effectively and not wasted, meeting room lighting is an important consideration that characterizes better lighting. The videoconferencing system is made of the equipment.

Depending on whether or not you do the installation yourself or have the equipment vendor do it, the system in which you need to work should make sense will stay. This, along with a number of other things, is a corporate videoconferencing system, whether or not the system is used for other things, and if it is, then the system will be shared.

The companies that may be to use up the videoconferencing equipment in the corporate landscape. However, whenever the landscape is being used, the system will stay. If you produce that the system will be used very frequently, it may make more sense to have it located elsewhere. □

everything that you would want to do in a physical business meeting is what corporate users want in their videoconferencing systems

## Solunet — 1997 world's largest PortMaster® VAR

### REASONS FOR THIS SUCCESS:

- ▼ We carry the full line of Lucent Technologies PortMaster products
- ▼ All products are in stock and ready to ship
- ▼ We have a factory-trained and certified pre and post sales technical support team

MAKE THE MOST OF THE SOLUNET ADVANTAGE, WHERE WE PUT THE VALUE BACK IN VAR.

Don't miss out on our great PortMaster prices. Call now for 180° specials!

Lucent Technologies  
Bell Labs Innovations



Lucent is a world leader in telephony solutions for ISPs and enterprise networks. More than 2,000 ISPs use Lucent PortMaster products.

**SOLUNET**  
Marketing For All Telecommunications

1-800-362-8226 • FAX 416-426-0022  
SALES@SOLUNET.COM • WWW.SOLUNET.COM  
OFFICES IN BRITISH COLUMBIA AND ONTARIO

## Congratulations to the Winners:

Ian Gray  
Mario Cavisto  
Mark Lelin  
G. A. Svonch



## of a V90 US Robotics External Modem

courtesy of 3Com®

and  
thanks to all who participated in our  
Reader Survey at Comdex Canada 98







# Road warriors say technology indispensable link

By Linda Darling-Pastorek

NEW YORK (AP)—Frequent business travellers say that the laptop and e-mail is now well connected with the office. *News & World* according to the 1998 American Express Road Warrior Technology Study.

This time last century by the company was prepared for road-warrior travellers, galvanized by businessmen while travelling and through communication with executives. Some of the initial studies were surprising, completely affordable.

"There has been a revolution in the way of doing business today. A business has to be able to do public affairs, business in Europe, Company and Technology." "We will not be able to travel on a regular basis. This is evident in terms of people who are leaving airplanes, still phone, even in the airport and long lines at hotel phone banks. All these are indicators that people need to have 24-hour connections while on the road."

Lester says that study found widespread phone calls and e-mail that was the problem most communication methods for business travellers, with 87 per cent saying they use the Internet and 66 per cent saying they regularly use the fax. "We were surprised by that," he says. "This is a 16-year-old study, and we're

"There is a blending of leisure and business travel that is a new phenomenon."

We see personal life coming into the workplace with casual days and more virtual offices. Now when you're on vacation, that's not down time. Being away from the office—no one cuts you slack for not keeping up even on vacation."

—Charles Lester, American Express

rolling in and they're still having the phone."

Fifty-seven percent of those polled said they always or almost always communicate via e-mail. Of that number, 46 percent said they receive e-mail most or every each day. 18 percent said they check their e-mail once daily or more while on the road.

"If you deal with the desire that people have to communicate in a number of ways," says Lester. "It's not enough to send a fax. People send an e-mail saying up to the way so they send their own documents to an e-mailbox and a mail box that will call to call customers to check their e-mail and fax machine."

We wanted to look at not only what experiences they were using, but also the amount of time they were using on a trip," he says. "Not too many years ago the road warrior came back to hotel rooms and watch TV to make personal calls. Now they are checking e-mail and e-mail and are still doing heavy duty work while away from home."

The survey also found that 16 percent of respondents agreed that technology has improved business travel. The greatest benefit cited by those polled included: improved access to office and domestic rates, savings through remote communications, and the

ability to operate a virtual office through use of laptop computers.

"There is a blending of leisure and business travel that is a new phenomenon," says Lester. "We see personal life coming into the workplace not a casual day and more virtual office. Now when people are vacation that's not down time. You are surprised when something like business, you have to report in the same kind of pace that you would have the office. Being away from the office—we are sure you check for not keeping up even on vacation. It's possible. It's looking to a lot of personal and business."

Too, the blending of business and leisure can be used by more companies compelled to take advantage of reduced surface linked to Kennedy airport. Employees are compelled to take a substantial overhead away from home for those employees to prefer a one savings.

The study was conducted by MHI/Travel Research, a subset of the National Travel Research Institute's general consumer panel of some 170,000 household online users. The particular study polled 140 business travellers who take at least 10 overnight business trips per year. □

American Express trip: [www.americanexpress.com](http://www.americanexpress.com)

**CM Technologies**  
Your

**PRINTER REPAIR STATION**

**Out of Warranty?**

We do in-house & onsite\* repairs at a flat rate labour price  
Fast, 24 hour turnaround time

Optra Line →

← 4039

Don't forget to ask us about our  
New and Demo printers for sale

Dealers welcome!

Phone 905-738-7878

Fax 905-738-0585

Toll Free 1-800-949-7878

Web page [www.cmtech.net](http://www.cmtech.net)

**LEXMARK**  
Service Authorized Dealer

\*CALL US FOR PRINTER DETAILS





# Training, technology lacking in fight against fraud

By Martin Stone

TORONTO (ENR)—A survey of businesses in 32 countries shows that in a striking 84 per cent of the models, most reported frauds were committed by company employees and that over 80 percent of worldwide fraud was committed by managers.

The study says that employees, decreasing the removal of management layers, and the growing use of computers to keep track of company assets, in general, helped.

The survey, which spanned entire areas over from over 11,000 major corporations, was conducted by Toronto-based financial and business advisors Ernst & Young. The study is titled *Fraud: The Unmanaged Risk*.

Don Holmes, practice director of the financial accounting group at Ernst & Young, said that the study analyzed internal and external fraud, and that the study analyzed internal and external fraud, and that the study analyzed internal and external fraud.

"The difference between cases and fraud is a crime," he added.

"Traditionally, accountants and business managers rely on internal controls to prevent and detect fraud," he explained. "However, as today's competitive environment, internal controls have been badly needed as a result of downsizing, removal of layers of management, and employee empowerment. The traditional fraud model is not working. We need a much stronger emphasis on training and technology."

Holmes said training is required to enhance both fraud prevention and detection while technology is a computer-aided tool that can deal with the amounts of data recorded electronically in a company data base.

"They will all be done in computer-aided today," Holmes said. "Only lockbooks remain outside the benefits of computer recording systems."

The survey reveals that internal financial controls, such as segregation of duties and computer-aided management, were the most useful fraud prevention and detection tools. However, 84 percent of respondents reported that changes in their control systems lagged behind their operational needs, leaving open doors to losses, fraud and fraud.

"The new technology is accounting," Holmes said. "Some of the dynamic software now enables more extensive analysis of various data. We can look at almost any part of the system, and use that information to understand the accuracy of the information in the system. We can then look back, follow up on a trail and a paper and eventually we depart from the system and talk to the people."

The study may be helpful for the accountants, the fraudsters," added Nick Holmes, Partner at Ernst & Young's Toronto Region

accounting group.

"The biggest threat to the use of the law is the lack of proper understanding of the law. One question, your risk management team, get into it in the spotlight, and your ability to respond to the stakeholders is a must."

Survey highlights include the fact that 87 percent of respondents think the incidence of fraud will increase in the next seven years, and that only 13 percent of fraud has not been found.

Only 34 percent of respondents have a good understanding of their business, the study shows, while 38 percent of respondents report that changes in their control systems lagged behind operational needs. A full 71 percent of respondents say they still have not received fraud responses training.

The survey also reveals a strong correlation between the incidence of fraud and the understanding of the business by accountants. The study indicates that only 44 percent of accountants believe they have a full understanding of their own business.

Ernst & Young's Toronto and Vancouver Accounting group has extensive experience in investigating allegations of fraud, training, assessing and reviewing internal control systems and reporting internal and external to management. Some recent engagements include investigations into the alleged misappropriation of a fund manager's "vapor" derivatives by foreign exchange and commodity traders, procurement funds and facilities to computer analysts applied to a company's payment process and a number of high level stock frauds.

Holmes said the survey has been analyzed for major of more than 1,000 responses were received from the 11,000 companies and that European and Asian cases are usually high among the events. □



## Alpha Computer Systems

2050 Steeles Avenue West Unit 2, Concord  
Tel: (905) 738-4744 Fax: (905) 738-1570

## Alpha Premium '98 DVD Series with Intel Pentium II Processor 300Mhz

Gigabyte 486SX UltraDMA 512K Cache AGP Mother Board  
84 Megabyte 16M Pin - PC-100 SDRAM  
Magiltronix 17" 20cm Digital Low Reflection Color Monitor  
ATI 3D Export XL 4MB AGP2D Mega-2 Video Adapter  
Quantum Fireball 528.4 GB UltraDMA Hard Drive  
Jensen ATX Tower Case with 230Watts Supply  
Keyboard 104 Keys Windows 95 Keyboard  
Logitech PS/2 Mouse with Mouse Pad  
Toshiba DVD-ROM Internal Drive  
Sound Blaster AWE64 Sound Card  
Dowes 100W Stereo Amplified Speakers  
Electric Condenser Microphone with Stand  
Diamond V190 56K Internal Fax Modem with Voice  
Windows 95 and Internet Access Programs Pre-installed  
2 Years Labor and 1 Year Manufacturer's Parts Depot Warranty

Free Unlimited 30 Days Internet Access by INTERNET DIRECT

Special Sales \$2,380.00 + \$40.00 per month

### AS400 online everywhere

IBM-Adapted from the popular personal book Exploring IBM AS400 Computers, the AS400 Online Encyclopedia presents AS400 information in a way that non-technical users can easily understand. It contains over 250 short articles on key topics—and queries with an easy search option.

http://www.as400.ibm.com/encyclopedia

WE SHIP ACROSS CANADA

GUARANTEED LOWEST PRICE

3-800-363-3636

1-800-TODAY-TNE

1-800-564-5644

T800S Notebook Bags From \$-48		17" LCD Gigabyte Adapter \$198		3.5" PAMBA Adapter \$118		ACPI Power Management \$118	
<b>\$2088</b> 1600 MB <b>\$4688</b> 2000 MB <b>\$5198</b> 2400 MB <b>\$5698</b> 2800 MB <b>\$6198</b> 3200 MB <b>\$6698</b> 3600 MB <b>\$7198</b> 4000 MB <b>\$7698</b> 4400 MB <b>\$8198</b> 4800 MB <b>\$8698</b> 5200 MB <b>\$9198</b> 5600 MB <b>\$9698</b> 6000 MB <b>\$10198</b> 6400 MB <b>\$10698</b> 6800 MB <b>\$11198</b> 7200 MB <b>\$11698</b> 7600 MB <b>\$12198</b> 8000 MB <b>\$12698</b> 8400 MB <b>\$13198</b> 8800 MB <b>\$13698</b> 9200 MB <b>\$14198</b> 9600 MB <b>\$14698</b> 10000 MB <b>\$15198</b> 10400 MB <b>\$15698</b> 10800 MB <b>\$16198</b> 11200 MB <b>\$16698</b> 11600 MB <b>\$17198</b> 12000 MB <b>\$17698</b> 12400 MB <b>\$18198</b> 12800 MB <b>\$18698</b> 13200 MB <b>\$19198</b> 13600 MB <b>\$19698</b> 14000 MB <b>\$20198</b> 14400 MB <b>\$20698</b> 14800 MB <b>\$21198</b> 15200 MB <b>\$21698</b> 15600 MB <b>\$22198</b> 16000 MB <b>\$22698</b> 16400 MB <b>\$23198</b> 16800 MB <b>\$23698</b> 17200 MB <b>\$24198</b> 17600 MB <b>\$24698</b> 18000 MB <b>\$25198</b> 18400 MB <b>\$25698</b> 18800 MB <b>\$26198</b> 19200 MB <b>\$26698</b> 19600 MB <b>\$27198</b> 20000 MB <b>\$27698</b> 20400 MB <b>\$28198</b> 20800 MB <b>\$28698</b> 21200 MB <b>\$29198</b> 21600 MB <b>\$29698</b> 22000 MB <b>\$30198</b> 22400 MB <b>\$30698</b> 22800 MB <b>\$31198</b> 23200 MB <b>\$31698</b> 23600 MB <b>\$32198</b> 24000 MB <b>\$32698</b> 24400 MB <b>\$33198</b> 24800 MB <b>\$33698</b> 25200 MB <b>\$34198</b> 25600 MB <b>\$34698</b> 26000 MB <b>\$35198</b> 26400 MB <b>\$35698</b> 26800 MB <b>\$36198</b> 27200 MB <b>\$36698</b> 27600 MB <b>\$37198</b> 28000 MB <b>\$37698</b> 28400 MB <b>\$38198</b> 28800 MB <b>\$38698</b> 29200 MB <b>\$39198</b> 29600 MB <b>\$39698</b> 30000 MB <b>\$40198</b> 30400 MB <b>\$40698</b> 30800 MB <b>\$41198</b> 31200 MB <b>\$41698</b> 31600 MB <b>\$42198</b> 32000 MB <b>\$42698</b> 32400 MB <b>\$43198</b> 32800 MB <b>\$43698</b> 33200 MB <b>\$44198</b> 33600 MB <b>\$44698</b> 34000 MB <b>\$45198</b> 34400 MB <b>\$45698</b> 34800 MB <b>\$46198</b> 35200 MB <b>\$46698</b> 35600 MB <b>\$47198</b> 36000 MB <b>\$47698</b> 36400 MB <b>\$48198</b> 36800 MB <b>\$48698</b> 37200 MB <b>\$49198</b> 37600 MB <b>\$49698</b> 38000 MB <b>\$50198</b> 38400 MB <b>\$50698</b> 38800 MB <b>\$51198</b> 39200 MB <b>\$51698</b> 39600 MB <b>\$52198</b> 40000 MB <b>\$52698</b> 40400 MB <b>\$53198</b> 40800 MB <b>\$53698</b> 41200 MB <b>\$54198</b> 41600 MB <b>\$54698</b> 42000 MB <b>\$55198</b> 42400 MB <b>\$55698</b> 42800 MB <b>\$56198</b> 43200 MB <b>\$56698</b> 43600 MB <b>\$57198</b> 44000 MB <b>\$57698</b> 44400 MB <b>\$58198</b> 44800 MB <b>\$58698</b> 45200 MB <b>\$59198</b> 45600 MB <b>\$59698</b> 46000 MB <b>\$60198</b> 46400 MB <b>\$60698</b> 46800 MB <b>\$61198</b> 47200 MB <b>\$61698</b> 47600 MB <b>\$62198</b> 48000 MB <b>\$62698</b> 48400 MB <b>\$63198</b> 48800 MB <b>\$63698</b> 49200 MB <b>\$64198</b> 49600 MB <b>\$64698</b> 50000 MB <b>\$65198</b> 50400 MB <b>\$65698</b> 50800 MB <b>\$66198</b> 51200 MB <b>\$66698</b> 51600 MB <b>\$67198</b> 52000 MB <b>\$67698</b> 52400 MB <b>\$68198</b> 52800 MB <b>\$68698</b> 53200 MB <b>\$69198</b> 53600 MB <b>\$69698</b> 54000 MB <b>\$70198</b> 54400 MB <b>\$70698</b> 54800 MB <b>\$71198</b> 55200 MB <b>\$71698</b> 55600 MB <b>\$72198</b> 56000 MB <b>\$72698</b> 56400 MB <b>\$73198</b> 56800 MB <b>\$73698</b> 57200 MB <b>\$74198</b> 57600 MB <b>\$74698</b> 58000 MB <b>\$75198</b> 58400 MB <b>\$75698</b> 58800 MB <b>\$76198</b> 59200 MB <b>\$76698</b> 59600 MB <b>\$77198</b> 60000 MB <b>\$77698</b> 60400 MB <b>\$78198</b> 60800 MB <b>\$78698</b> 61200 MB <b>\$79198</b> 61600 MB <b>\$79698</b> 62000 MB <b>\$80198</b> 62400 MB <b>\$80698</b> 62800 MB <b>\$81198</b> 63200 MB <b>\$81698</b> 63600 MB <b>\$82198</b> 64000 MB <b>\$82698</b> 64400 MB <b>\$83198</b> 64800 MB <b>\$83698</b> 65200 MB <b>\$84198</b> 65600 MB <b>\$84698</b> 66000 MB <b>\$85198</b> 66400 MB <b>\$85698</b> 66800 MB <b>\$86198</b> 67200 MB <b>\$86698</b> 67600 MB <b>\$87198</b> 68000 MB <b>\$87698</b> 68400 MB <b>\$88198</b> 68800 MB <b>\$88698</b> 69200 MB <b>\$89198</b> 69600 MB <b>\$89698</b> 70000 MB <b>\$90198</b> 70400 MB <b>\$90698</b> 70800 MB <b>\$91198</b> 71200 MB <b>\$91698</b> 71600 MB <b>\$92198</b> 72000 MB <b>\$92698</b> 72400 MB <b>\$93198</b> 72800 MB <b>\$93698</b> 73200 MB <b>\$94198</b> 73600 MB <b>\$94698</b> 74000 MB <b>\$95198</b> 74400 MB <b>\$95698</b> 74800 MB <b>\$96198</b> 75200 MB <b>\$96698</b> 75600 MB <b>\$97198</b> 76000 MB <b>\$97698</b> 76400 MB <b>\$98198</b> 76800 MB <b>\$98698</b> 77200 MB <b>\$99198</b> 77600 MB <b>\$99698</b> 78000 MB <b>\$100198</b> 78400 MB <b>\$100698</b> 78800 MB <b>\$101198</b> 79200 MB <b>\$101698</b> 79600 MB <b>\$102198</b> 80000 MB <b>\$102698</b> 80400 MB <b>\$103198</b> 80800 MB <b>\$103698</b> 81200 MB <b>\$104198</b> 81600 MB <b>\$104698</b> 82000 MB <b>\$105198</b> 82400 MB <b>\$105698</b> 82800 MB <b>\$106198</b> 83200 MB <b>\$106698</b> 83600 MB <b>\$107198</b> 84000 MB <b>\$107698</b> 84400 MB <b>\$108198</b> 84800 MB <b>\$108698</b> 85200 MB <b>\$109198</b> 85600 MB <b>\$109698</b> 86000 MB <b>\$110198</b> 86400 MB <b>\$110698</b> 86800 MB <b>\$111198</b> 87200 MB <b>\$111698</b> 87600 MB <b>\$112198</b> 88000 MB <b>\$112698</b> 88400 MB <b>\$113198</b> 88800 MB <b>\$113698</b> 89200 MB <b>\$114198</b> 89600 MB <b>\$114698</b> 90000 MB <b>\$115198</b> 90400 MB <b>\$115698</b> 90800 MB <b>\$116198</b> 91200 MB <b>\$116698</b> 91600 MB <b>\$117198</b> 92000 MB <b>\$117698</b> 92400 MB <b>\$118198</b> 92800 MB <b>\$118698</b> 93200 MB <b>\$119198</b> 93600 MB <b>\$119698</b> 94000 MB <b>\$120198</b> 94400 MB <b>\$120698</b> 94800 MB <b>\$121198</b> 95200 MB <b>\$121698</b> 95600 MB <b>\$122198</b> 96000 MB <b>\$122698</b> 96400 MB <b>\$123198</b> 96800 MB <b>\$123698</b> 97200 MB <b>\$124198</b> 97600 MB <b>\$124698</b> 98000 MB <b>\$125198</b> 98400 MB <b>\$125698</b> 98800 MB <b>\$126198</b> 99200 MB <b>\$126698</b> 99600 MB <b>\$127198</b> 100000 MB 							



# Lowest Everyday Price

## Summit Sierra

**\$699<sup>77</sup>**

•Mini Tower Case and Power Supply  
•Pentium II Motherboard, Intel 486LX Chipset  
•Celeron 366 CPU & Fan  
•32 SDRAM  
•1.44 Floppy Drive  
•Quantum 1.5GB Hard Drive  
•AMB PCI Video Card  
•16 Bit Sound Card  
•24Xmax CD-ROM  
•104 Key Keyboard  
•Mouse & Pad  
•80 Watt Stereo Speakers

Celeron 366 - \$499.77  
Pentium II 300 - \$749.77  
Pentium II 266 - \$979.77  
Pentium II 300 - \$1049.77  
Pentium II 333 - \$1129.77

## Summit Graduate

**\$1199<sup>77</sup>**

**P2-266**



•Mini Tower Case and Power Supply  
•Pentium Motherboard Intel 486LX  
•Intel Pentium II 266MHz CPU  
•64 SDRAM  
•1.44 Floppy Drive  
•1.3GB Hard Drive UDMA  
•AMB ASP Video Card  
•16 Bit Sound Card  
•32X CD ROM  
•32 & Fax Modem  
•PS/2 104 Wts 95 Keyboard  
•PS/2 Mouse  
•80 Watt Amplified Speakers  
•Microsoft Windows 95



Microsoft Windows 95  
included

## Summit Profe

**\$1599<sup>77</sup>**

**P2-266**

•Mini Tower Case and Power Supply  
•Pentium Motherboard Intel 486 LX  
•Intel Pentium II 266MHz CPU  
•64 SDRAM  
•1.44 Floppy Drive  
•8.4GB Hard Drive UDMA  
•AMB Matrix 2100 ASP  
•Sound Blaster 16 Sound Card  
•32X CD ROM  
•32X Voice 95B Fax Modem  
•15" Monitor  
•PS/2 104 Wts 95 Keyboard  
•PS/2 Mouse  
•100 Watt Speakers  
•Microsoft Windows 95

**1.2GB Sport Disk**

**\$79<sup>99</sup>**  
\$74<sup>99</sup>

1.2GB Sport Disk

**Sport Hubs**

**\$49<sup>99</sup>**

Sport

**\$69<sup>99</sup>**

**Labtec**

**\$89<sup>99</sup>**  
\$80<sup>99</sup>  
\$79<sup>99</sup>

Labtec Scanner

**3B Mouse**

**\$99<sup>99</sup>**  
\$89<sup>99</sup>  
\$79<sup>99</sup>

3B Mouse

**Yamaha Speakers**

**\$99<sup>99</sup>**  
\$89<sup>99</sup>  
\$79<sup>99</sup>

YAMAHA 10 watts per channel  
AC adapter included

**ATI EXPERT 96**

**\$99<sup>99</sup>**  
\$90<sup>99</sup>  
\$79<sup>99</sup>

ATI

**Sound Blaster 16**

**\$49<sup>99</sup>**  
\$40<sup>99</sup>  
\$34<sup>99</sup>

CREATIVE

**LEXMARK Colour**

**\$177.77**

1100 x 1200 dpi  
Up to 10 pages colour  
Up to 10 pages black  
Reg. \$177.77

**Disk**

**\$6**

Performance 3.5 inch 3.5  
Double Sided High Density 1.44 MB

**CREATIVE**

**\$99<sup>99</sup>**  
\$89<sup>99</sup>  
\$79<sup>99</sup>

Creative Webcam II

**6.4 GB Hard Drive**

**\$249<sup>99</sup>**  
\$239<sup>99</sup>  
\$229<sup>99</sup>

2.1 GB Hard Drive

**Logitech Mouse**

**\$24<sup>99</sup>**  
\$23<sup>99</sup>  
\$22<sup>99</sup>

Logitech Mouse

**ATI ExpertPlay 6400**

**\$89<sup>99</sup>**  
\$80<sup>99</sup>  
\$79<sup>99</sup>

ATI ExpertPlay 6400

**New Standard 3.5" Floppy**

**\$99<sup>99</sup>**  
\$90<sup>99</sup>  
\$89<sup>99</sup>

New Standard 3.5" Floppy

**15" Monitor**

**\$149<sup>99</sup>**  
\$139<sup>99</sup>  
\$129<sup>99</sup>

15" Monitor

**SUMMIT DIRECT**

**Brampton**  
158 Kennedy Rd. S  
Tel: (905) 874-9521  
Fax: (905) 874-9125

**Burlington**  
744 Guelph Line  
Tel: (905) 631-9530  
Fax: (905) 631-7481

**Etobicoke**  
868 The Queensway  
Tel: (416) 231-0254  
Tel: (416) 231-0195  
Fax: (905) 231-0186

**North York**  
2150 Steeles Ave. W.  
Tel: (416) 410-9535  
Fax: (905) 709-8160

**Newmarket**  
1100 David Drive Unit #1  
Tel: (905) 953-9900  
Fax: (905) 953-7344

**Mississauga**  
4435 Great  
Unit #1  
Tel: (905) 276-1111  
Fax: (905) 276-1111

All prices valid until

© 1995 Summit Direct Inc. All rights reserved. Prices subject to change without notice. Microsoft and Windows 95 are registered trademarks of Microsoft Corporation.



# s from Summit Direct!

Outside GTA Please Call Toll Free 1-888-GO-4-HAWK (888-464-4295)

30P

We Ship Anywhere In Canada

## Hawk E Series

## Hawk M Series

## UPGRADE KIT

Acer P25 PB  
32MB PC 100  
4.3 WD Hard Drive  
4.44 Floppy Drive  
Hawk E25 PB2 Tower  
Phoenix C160 4MB AGP  
15" 60Hz Monitor  
after 33.6 m/Video  
104 PB2 Keyboard  
Logitech Mouse  
Sound Blaster 16  
32X CD ROM  
40 Watt Speakers  
Microsoft Windows 95



Acer P25 PB  
4.3 WD Hard Drive  
4.44 Floppy Drive  
Hawk M25 PB2 Tower  
Phoenix C160 4MB AGP  
15" 60Hz Monitor 374p  
104 PB2 Keyboard  
Logitech Mouse  
Sound Blaster 16  
32X CD ROM  
40 Watt Speakers  
Microsoft Windows 95



**\$184.77**  
P4-100 CPU  
PENTIUM BOARD  
4 MB Video  
16 Mb Sound

**\$384.77**  
P4-100 CPU  
PENTIUM BOARD  
3.2 GB HARD DRIVE  
4 MB Video  
16 Mb Sound

**\$329.77**  
PENTIUM 5 3M  
Cabinet  
PB Board  
PB Cooler  
32MB SDRAM

**\$579.77**  
PENTIUM 5 3M CPU  
PB Board  
PB Cooler  
32MB SDRAM

\*Monitor Included

P2-366 \$1699  
P2-300 \$2099  
P2-333 \$2549  
P2-350 \$2999  
P2-400 \$2159

6 Month  
Express Exchange  
Warranty

**HAWK**

P2-366 \$2189  
P2-300 \$2499  
P2-333 \$2899  
P2-350 \$3499  
P2-400 \$2549

6 Month  
Express Exchange  
Warranty

**HAWK**

Canada's Best  
Upgrade Specialists  
Since 1987

51K  
Modem

Comstar  
56K Fax Modem

Acer  
32x CDRW

Acer  
CD-ROM 4854A (EXTERNAL)  
Includes Blank CD-RW 50x

6.4GB Hard Drive

4MB SDRAM

DISKET 1120  
Prints posters  
Photo-quality colour 11x17  
capacity

Houston Pentium Board  
Acer P157 Pentium Board

Video 2x, Video 3x,  
Video 10  
30 Mb Scanner

LASERJET 4L  
600 x 600 dpi  
RIP Technology  
Up to Approx  
1 MB Enhanced  
memory

SVGA 17" Monitor

PCI Network Cards

DISKET P22  
486 x 486 dpi  
Colour

DISKET 470C  
Approx colour  
Colour

DISKET 470C  
Vivid colour  
Up to Approx  
Colour

Minimono  
Blank CD  
S  
Pack

At the end of August!

New Locations!

<p>Mississauga East</p> <p>4441 Credit Rd Redwood Mall Tel: (905) 282-8333 Fax: (905) 282-8090</p>	<p>Hamilton</p> <p>314 Queenston Rd. #H Tel: (905) 348-7533 Fax: (905) 348-0330</p>	<p>Hamilton Mountain</p> <p>900 Upper James St Tel: (905) 389-9325 Fax: (905) 389-1177</p>	<p>Kitchener</p> <p>1247 King Street E Tel: (519) 744-9535 Fax: (519) 744-9779</p>	<p>St. Catharines</p> <p>Coming Soon!</p>
--	---	--	--	---

Small text at the bottom of the page, likely a disclaimer or legal notice.

# Your business is online. The website is up. The cheque is in the mail.

## This time it's all true. With the Cash Back Internet Offer from Netcom.

Only Netcom Business Services gives you everything you need to do business on the Internet. Dial-up solutions, dedicated access, website hosting and more. And we'll send you a cash back cheque worth one month's service.

Netcom Canada offers a full range of sophisticated, reliable Internet services to match what the size of your business.

**Access Options** Dial-up and dedicated services from 56Kbps up to ERM and T1 lines.

**Complete Solutions** With a NETConnect, NETSubscriber or NETider bundle you can choose your access option and domain name, set up multiple e-mail accounts and get access to the NetcomBusinessCentre, a powerful on-line tool to manage your account.

**Hardware Included** Choose dedicated access and we supply an and only Inading Cisco Router.

**Fastest Network** Netcom has a high speed, high quality network with multiple T3-E connections and 24/7 network monitoring.

**Internet Guaranteed** Plus only Netcom gives you the Internet risk free. If you aren't completely satisfied after 30 days, cancel without penalty. We also guarantee 99.9% network availability, or you get 50% of your monthly fee refunded.\*

**Cash Back!** Choose the Business Services bundle that's right for your company and after 30 days, we'll send you a cash back cheque worth one month of service.\*\* It's all true. But only from Netcom Canada.

Quote this registration code to receive your cheque: D012

### Dial-up Access

- 1 Dial-up account
- 1 Domain name
- 3 e-mail accounts

From  
**\$49<sup>95</sup>**  
/mo.

### Dedicated Access

- 24Mbps Access
- 1 Dial-up account
- 1 Domain name
- 10 e-mail accounts
- Cisco Router included

From  
**\$325<sup>00</sup>**  
/mo.

### Web Site Hosting

- 10 MB web space
- 100 MB transfer
- Traffic logs
- 1 Domain name
- 1 e-mail account

From  
**\$34<sup>95</sup>**  
/mo.

## 1.888.481.2039

### Netcom

Canada  
[www.netcom.ca](http://www.netcom.ca)

\*Offer applies to new subscribers only. Subject to 30-day trial period. Cash back only based on full monthly service fees for a minimum of one month. Cash back for 30 days.  
\*\*Offer is based on the Netcom Business Services bundle. All services and promotional restrictions apply.



## The joy of safe computing

Continued from page 49

next door, security lighting on alarm system and then on ground floor windows. If you are particularly nervous about break-ins, fire may also have information from the local fire department about home safety and installed smoke detectors. The firefighters and others on the calls from you know he is very glibly.

The point is, when it is the first of your loved ones that are in a real, certain threat of preparation is greater, and prepared. The same goes for threats to your financial well-being.

What is the level of threat to your computer and what should you do about it?

## Threats: Murphy's Law meets Kevin Mitnick

Recent computers are essentially a fusion of our personal and business lives, and due to the convergence of this invention, it's increasingly likely that your computer is *close* to as much as it is *less* potentially interested in every other computer on the planet. This new global connectivity greatly increases the potential vulnerability of computers to loss, fire, theft, tampering and crashing, but it also

greatly increases the range of possible things that may go wrong, either from failure of the technology or the malicious activity of acquaintances or strangers.

The FBI released in 1993, that losses to companies from fire and theft averaged to be as much as \$300 million annually according to Nick Colaneri, FBI Security Practice principal at BMO Canada, according to some computing officials with developing a security policy. "Then I start by building barriers," he admits, "then by securing rules. Don't spend large money on anti-virus software, but don't let a single virus business to try to be safe."

Like evolution, you have to decide what risks to guard against, and what degree of thought and effort you should invest in making your computing experience a safe one. There are fairly limited number of common threats to your computing security.

### Hardware and software failures

Computers and networks are poorly developed, fragile and often full of technology. Murphy's Law, "If everything can go wrong, it will," seems to operate with special vigor when computers are concerned.

The most basic security measure is to get clearly back up any information you intend *can* trust if you were to lose it. This step alone routinely makes multiple copies of important files on floppy disk tape, remote backups or secure network storage.

**Antivirus software.** A powerful type of virus writing technology (computer viruses) can corrupt information, destroy files and even corrupt the system itself. A virus is a computer program that replicates itself, often spreading via e-mail, network and other means. It can corrupt files and even the system itself.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

## Mail System, Mailbox and Frontiers

Author: Michael J. Smith  
Publisher: Corbis Group Inc.  
ISBN: 1-55018-000-0  
Pages: 100 pages  
Price: \$24.95

A very good guide to the modern PC user, this book is a must for the modern PC user. It covers the basics of the PC, from the hardware to the software, and then goes on to cover the various applications and services that are available. It is a very good guide to the modern PC user, and is a must for the modern PC user.

## Protection and Security on the Information Superhighway

Author: Jonathan J. Davis  
Publisher: Wiley & Sons Inc.  
ISBN: 0-471-50211-1  
Pages: 100 pages  
Price: \$24.95

This book looks at security from a broad perspective, including all levels of communication systems. From encryption to network security, it covers all aspects of security. It is a very good guide to the modern PC user, and is a must for the modern PC user.

## Internet Security

Author: John Davis  
Publisher: Corbis Group Inc.  
ISBN: 1-55018-000-0  
Pages: 100 pages  
Price: \$24.95

This book examines the rapidly growing area of computer or institutional security. It covers all aspects of security, from encryption to network security. It is a very good guide to the modern PC user, and is a must for the modern PC user.

One of the main justifications for Internet is to find the security risks and to find the security risks. It is a very good guide to the modern PC user, and is a must for the modern PC user.

Internet is a very good guide to the modern PC user, and is a must for the modern PC user.

## Security book list

ry hardware and (usually) more of software. (Security, and effective response to security incidents.) The book also contains a good glossary of security terms. In total, the book is a very good guide to the modern PC user, and is a must for the modern PC user.

## Internet Security: How to Keep Your Computer Safe

Author: John Davis  
Publisher: Wiley & Sons Inc.  
ISBN: 0-471-50211-1  
Pages: 100 pages  
Price: \$24.95

This book examines the rapidly growing area of computer or institutional security. It covers all aspects of security, from encryption to network security. It is a very good guide to the modern PC user, and is a must for the modern PC user.

## Offensive: Espionage on the Internet

Author: John Davis  
Publisher: Wiley & Sons Inc.  
ISBN: 0-471-50211-1  
Pages: 100 pages  
Price: \$24.95

This is an interesting book that examines the rapidly growing area of computer or institutional security. It covers all aspects of security, from encryption to network security. It is a very good guide to the modern PC user, and is a must for the modern PC user.

## The Cuckoo's Egg: Tracking a Spy Through the Maze of Computer Espionage

Author: Clifford Stoll  
Publisher: Pocket Books  
ISBN: 0-671-10880-0  
Pages: 100 pages  
Price: \$24.95

This is the classic, true story of network security. It is a very good guide to the modern PC user, and is a must for the modern PC user.

Internet is a very good guide to the modern PC user, and is a must for the modern PC user.

## Security glossary

**Antivirus software.** A program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

**Anti-virus software.** Anti-virus software is a program that scans for and removes viruses. It can be installed on a computer or on a network. It can be installed on a computer or on a network.

Tel: 416-632-4351  
Mon.-Sat. 10-6

Desktops IBM PC  
486 D32560  
from \$249 to \$349  
486 D34130  
from \$279 to \$349  
Pentium 486-100  
from \$249 to \$379

Notebooks IBM/TOSHIBA  
486 D32560  
from \$279 to \$379  
486 D34130  
from \$279 to \$349  
Pentium 75-100  
from \$449 to \$559

IBM/Altix: Are (the rest of) Dollars it costs of (the) "with maximum 120 percent

Good as New Computers

<http://www.toronto.com/computers>

Monitors (Colour SVGA)  
Acer (DEC) 14" \$299.99  
DEC 15" \$249  
Acer/DEC 17" \$399.99  
Others 20-21" \$499

7 day of accessories & more

We will beat any advertised price on same brand equipment only

\$5 off

7 year protection with this offer



library than the computer is a safe place.

If your computer system goes down, your backups can be loaded onto another computer, and you can continue to work, learn or play. If you have a computer in your business, then you should have arrangements in place to get a replacement PC immediately if necessary. None of the little PC window after window errors and replacement PCs through these costs normally becomes very close to its value tag.

The large big companies like most reliable computer and with the recovery plan should be for medium and large companies. This often means an ongoing relationship with a major disaster recovery firm, again including backup sites ready to go on a moment's notice.

#### Viruses

Computer viruses are serious programs that copy itself into files or transform programs that copy themselves automatically to computers hard drives or floppy disks. Once entered into the computer using world, they may spread to other PCs. This is a very common problem for PC users, including infected mail boxes, e-mail software, using files supplied by another computer user or downloading files from the Internet potentially puts one at risk with every file transfer or email attachment.

The most defense for an individual PC user is to install a good, current anti-virus program such as Norton Anti Virus or Interim VirusScan. For a business, a virus scanner is part of most virus removal software. According to EMEA's Guidelines "Manufacturers claim that the virus scanners can have demands to enhance system performance." The choice might be to buy an up-to-date virus checker.

However, in all cases, it is the main disaster to infection of a PC is a disaster.

#### Data

Companies are extremely attractive items for thieves, and they are rarely sold for substantial amounts of cash. Also, the information on the computer can have great value. Thus, the computer itself is not a data repository, proprietary software (intellectual property), which is built on customer corporate plans, or the development of new products can be worth millions. That loss of knowledge of the data by a computer user is just a company's loss of business.

Business PCs are particularly attractive to thieves, in terms of their value relative to many in a 5000 notebook computer is stolen annually.

Defensive against hardware theft include locking computers (especially those with high-value hard drives), as well as other measures such as security measures such as locked doors, surveillance and burglar alarms. Most brand name notebook computers include a built-in device and a password that will automatically a standard cable locking system designed specifically for portables.

Critical data should be encrypted so that even if an individual user's access to it is lost, the data will be unusable without the decryption key. Security software that "hides" on a hard drive can reveal an error, preventing the location of a stolen computer, and even if it is connected to the Internet, data cannot be accessed without the key required to access computer system components.

#### Your 2000 Goals

This is a topic for a whole series of articles and it is discussed regularly in PC's (see if

could affect you in at least three ways. First, if your computer is your company's computer network, how can you keep it? Try 2000, you could be out of work very quickly. Second, if your server outside your home is company, but that is the company system of your Internet service provider or key government agency or business client, is sufficient, you could be out of business. Third, if the system goes down, the road might down from a 2000 glitch, the company could be out of business.

If you are looking at alternatives, you can drive your 2000 less simply by advancing your computer clock to a few minutes to midnight Dec 31 2000. Once your PC's clock has rolled over to the new year, you can have it on and observe what happens with your PC's after the clock in your applications, etc. Make sure you've backed up your data before you do that, however.

Many people are changing their old year 2000 compliant computer software and hardware, and replacing it with certified year 2000-compliant products. One way to handle this is converting all data files saving from diskette format to address books to word processed documents into a Year 2000 compatible format.

If you have any degree of complexity in your computing system, you should invest in a Year 2000 consultant. There have already been reports that they are very busy already.

#### Backup

In computer terminology, a "backup" was originally someone who simply had the privilege and responsibility to find a solution to a difficult technical challenge. He or she would

## Torontek Ltd.

www.torontek.com Email: info@torontek.com  
Tel: (905) 882-4477 Fax: (905) 882-4400  
Toll-free call: (800) 584-5841 Fax: (905) 882-4400

### WYSIWYG SCANNING

Scan & Measure & Design

Digitizer A3, 11, 17, 21, 24, 28, 30, 36, 42, 48, 54, 60, 66, 72, 78, 84, 90, 96, 102, 108, 114, 120, 126, 132, 138, 144, 150, 156, 162, 168, 174, 180, 186, 192, 198, 204, 210, 216, 222, 228, 234, 240, 246, 252, 258, 264, 270, 276, 282, 288, 294, 300, 306, 312, 318, 324, 330, 336, 342, 348, 354, 360, 366, 372, 378, 384, 390, 396, 402, 408, 414, 420, 426, 432, 438, 444, 450, 456, 462, 468, 474, 480, 486, 492, 498, 504, 510, 516, 522, 528, 534, 540, 546, 552, 558, 564, 570, 576, 582, 588, 594, 600, 606, 612, 618, 624, 630, 636, 642, 648, 654, 660, 666, 672, 678, 684, 690, 696, 702, 708, 714, 720, 726, 732, 738, 744, 750, 756, 762, 768, 774, 780, 786, 792, 798, 804, 810, 816, 822, 828, 834, 840, 846, 852, 858, 864, 870, 876, 882, 888, 894, 900, 906, 912, 918, 924, 930, 936, 942, 948, 954, 960, 966, 972, 978, 984, 990, 996, 1002, 1008, 1014, 1020, 1026, 1032, 1038, 1044, 1050, 1056, 1062, 1068, 1074, 1080, 1086, 1092, 1098, 1104, 1110, 1116, 1122, 1128, 1134, 1140, 1146, 1152, 1158, 1164, 1170, 1176, 1182, 1188, 1194, 1200, 1206, 1212, 1218, 1224, 1230, 1236, 1242, 1248, 1254, 1260, 1266, 1272, 1278, 1284, 1290, 1296, 1302, 1308, 1314, 1320, 1326, 1332, 1338, 1344, 1350, 1356, 1362, 1368, 1374, 1380, 1386, 1392, 1398, 1404, 1410, 1416, 1422, 1428, 1434, 1440, 1446, 1452, 1458, 1464, 1470, 1476, 1482, 1488, 1494, 1500, 1506, 1512, 1518, 1524, 1530, 1536, 1542, 1548, 1554, 1560, 1566, 1572, 1578, 1584, 1590, 1596, 1602, 1608, 1614, 1620, 1626, 1632, 1638, 1644, 1650, 1656, 1662, 1668, 1674, 1680, 1686, 1692, 1698, 1704, 1710, 1716, 1722, 1728, 1734, 1740, 1746, 1752, 1758, 1764, 1770, 1776, 1782, 1788, 1794, 1800, 1806, 1812, 1818, 1824, 1830, 1836, 1842, 1848, 1854, 1860, 1866, 1872, 1878, 1884, 1890, 1896, 1902, 1908, 1914, 1920, 1926, 1932, 1938, 1944, 1950, 1956, 1962, 1968, 1974, 1980, 1986, 1992, 1998, 2004, 2010, 2016, 2022, 2028, 2034, 2040, 2046, 2052, 2058, 2064, 2070, 2076, 2082, 2088, 2094, 2100, 2106, 2112, 2118, 2124, 2130, 2136, 2142, 2148, 2154, 2160, 2166, 2172, 2178, 2184, 2190, 2196, 2202, 2208, 2214, 2220, 2226, 2232, 2238, 2244, 2250, 2256, 2262, 2268, 2274, 2280, 2286, 2292, 2298, 2304, 2310, 2316, 2322, 2328, 2334, 2340, 2346, 2352, 2358, 2364, 2370, 2376, 2382, 2388, 2394, 2400, 2406, 2412, 2418, 2424, 2430, 2436, 2442, 2448, 2454, 2460, 2466, 2472, 2478, 2484, 2490, 2496, 2502, 2508, 2514, 2520, 2526, 2532, 2538, 2544, 2550, 2556, 2562, 2568, 2574, 2580, 2586, 2592, 2598, 2604, 2610, 2616, 2622, 2628, 2634, 2640, 2646, 2652, 2658, 2664, 2670, 2676, 2682, 2688, 2694, 2700, 2706, 2712, 2718, 2724, 2730, 2736, 2742, 2748, 2754, 2760, 2766, 2772, 2778, 2784, 2790, 2796, 2802, 2808, 2814, 2820, 2826, 2832, 2838, 2844, 2850, 2856, 2862, 2868, 2874, 2880, 2886, 2892, 2898, 2904, 2910, 2916, 2922, 2928, 2934, 2940, 2946, 2952, 2958, 2964, 2970, 2976, 2982, 2988, 2994, 3000, 3006, 3012, 3018, 3024, 3030, 3036, 3042, 3048, 3054, 3060, 3066, 3072, 3078, 3084, 3090, 3096, 3102, 3108, 3114, 3120, 3126, 3132, 3138, 3144, 3150, 3156, 3162, 3168, 3174, 3180, 3186, 3192, 3198, 3204, 3210, 3216, 3222, 3228, 3234, 3240, 3246, 3252, 3258, 3264, 3270, 3276, 3282, 3288, 3294, 3300, 3306, 3312, 3318, 3324, 3330, 3336, 3342, 3348, 3354, 3360, 3366, 3372, 3378, 3384, 3390, 3396, 3402, 3408, 3414, 3420, 3426, 3432, 3438, 3444, 3450, 3456, 3462, 3468, 3474, 3480, 3486, 3492, 3498, 3504, 3510, 3516, 3522, 3528, 3534, 3540, 3546, 3552, 3558, 3564, 3570, 3576, 3582, 3588, 3594, 3600, 3606, 3612, 3618, 3624, 3630, 3636, 3642, 3648, 3654, 3660, 3666, 3672, 3678, 3684, 3690, 3696, 3702, 3708, 3714, 3720, 3726, 3732, 3738, 3744, 3750, 3756, 3762, 3768, 3774, 3780, 3786, 3792, 3798, 3804, 3810, 3816, 3822, 3828, 3834, 3840, 3846, 3852, 3858, 3864, 3870, 3876, 3882, 3888, 3894, 3900, 3906, 3912, 3918, 3924, 3930, 3936, 3942, 3948, 3954, 3960, 3966, 3972, 3978, 3984, 3990, 3996, 4002, 4008, 4014, 4020, 4026, 4032, 4038, 4044, 4050, 4056, 4062, 4068, 4074, 4080, 4086, 4092, 4098, 4104, 4110, 4116, 4122, 4128, 4134, 4140, 4146, 4152, 4158, 4164, 4170, 4176, 4182, 4188, 4194, 4200, 4206, 4212, 4218, 4224, 4230, 4236, 4242, 4248, 4254, 4260, 4266, 4272, 4278, 4284, 4290, 4296, 4302, 4308, 4314, 4320, 4326, 4332, 4338, 4344, 4350, 4356, 4362, 4368, 4374, 4380, 4386, 4392, 4398, 4404, 4410, 4416, 4422, 4428, 4434, 4440, 4446, 4452, 4458, 4464, 4470, 4476, 4482, 4488, 4494, 4500, 4506, 4512, 4518, 4524, 4530, 4536, 4542, 4548, 4554, 4560, 4566, 4572, 4578, 4584, 4590, 4596, 4602, 4608, 4614, 4620, 4626, 4632, 4638, 4644, 4650, 4656, 4662, 4668, 4674, 4680, 4686, 4692, 4698, 4704, 4710, 4716, 4722, 4728, 4734, 4740, 4746, 4752, 4758, 4764, 4770, 4776, 4782, 4788, 4794, 4800, 4806, 4812, 4818, 4824, 4830, 4836, 4842, 4848, 4854, 4860, 4866, 4872, 4878, 4884, 4890, 4896, 4902, 4908, 4914, 4920, 4926, 4932, 4938, 4944, 4950, 4956, 4962, 4968, 4974, 4980, 4986, 4992, 4998, 5004, 5010, 5016, 5022, 5028, 5034, 5040, 5046, 5052, 5058, 5064, 5070, 5076, 5082, 5088, 5094, 5100, 5106, 5112, 5118, 5124, 5130, 5136, 5142, 5148, 5154, 5160, 5166, 5172, 5178, 5184, 5190, 5196, 5202, 5208, 5214, 5220, 5226, 5232, 5238, 5244, 5250, 5256, 5262, 5268, 5274, 5280, 5286, 5292, 5298, 5304, 5310, 5316, 5322, 5328, 5334, 5340, 5346, 5352, 5358, 5364, 5370, 5376, 5382, 5388, 5394, 5400, 5406, 5412, 5418, 5424, 5430, 5436, 5442, 5448, 5454, 5460, 5466, 5472, 5478, 5484, 5490, 5496, 5502, 5508, 5514, 5520, 5526, 5532, 5538, 5544, 5550, 5556, 5562, 5568, 5574, 5580, 5586, 5592, 5598, 5604, 5610, 5616, 5622, 5628, 5634, 5640, 5646, 5652, 5658, 5664, 5670, 5676, 5682, 5688, 5694, 5700, 5706, 5712, 5718, 5724, 5730, 5736, 5742, 5748, 5754, 5760, 5766, 5772, 5778, 5784, 5790, 5796, 5802, 5808, 5814, 5820, 5826, 5832, 5838, 5844, 5850, 5856, 5862, 5868, 5874, 5880, 5886, 5892, 5898, 5904, 5910, 5916, 5922, 5928, 5934, 5940, 5946, 5952, 5958, 5964, 5970, 5976, 5982, 5988, 5994, 6000, 6006, 6012, 6018, 6024, 6030, 6036, 6042, 6048, 6054, 6060, 6066, 6072, 6078, 6084, 6090, 6096, 6102, 6108, 6114, 6120, 6126, 6132, 6138, 6144, 6150, 6156, 6162, 6168, 6174, 6180, 6186, 6192, 6198, 6204, 6210, 6216, 6222, 6228, 6234, 6240, 6246, 6252, 6258, 6264, 6270, 6276, 6282, 6288, 6294, 6300, 6306, 6312, 6318, 6324, 6330, 6336, 6342, 6348, 6354, 6360, 6366, 6372, 6378, 6384, 6390, 6396, 6402, 6408, 6414, 6420, 6426, 6432, 6438, 6444, 6450, 6456, 6462, 6468, 6474, 6480, 6486, 6492, 6498, 6504, 6510, 6516, 6522, 6528, 6534, 6540, 6546, 6552, 6558, 6564, 6570, 6576, 6582, 6588, 6594, 6600, 6606, 6612, 6618, 6624, 6630, 6636, 6642, 6648, 6654, 6660, 6666, 6672, 6678, 6684, 6690, 6696, 6702, 6708, 6714, 6720, 6726, 6732, 6738, 6744, 6750, 6756, 6762, 6768, 6774, 6780, 6786, 6792, 6798, 6804, 6810, 6816, 6822, 6828, 6834, 6840, 6846, 6852, 6858, 6864, 6870, 6876, 6882, 6888, 6894, 6900, 6906, 6912, 6918, 6924, 6930, 6936, 6942, 6948, 6954, 6960, 6966, 6972, 6978, 6984, 6990, 6996, 7002, 7008, 7014, 7020, 7026, 7032, 7038, 7044, 7050, 7056, 7062, 7068, 7074, 7080, 7086, 7092, 7098, 7104, 7110, 7116, 7122, 7128, 7134, 7140, 7146, 7152, 7158, 7164, 7170, 7176, 7182, 7188, 7194, 7200, 7206, 7212, 7218, 7224, 7230, 7236, 7242, 7248, 7254, 7260, 7266, 7272, 7278, 7284, 7290, 7296, 7302, 7308, 7314, 7320, 7326, 7332, 7338, 7344, 7350, 7356, 7362, 7368, 7374, 7380, 7386, 7392, 7398, 7404, 7410, 7416, 7422, 7428, 7434, 7440, 7446, 7452, 7458, 7464, 7470, 7476, 7482, 7488, 7494, 7500, 7506, 7512, 7518, 7524, 7530, 7536, 7542, 7548, 7554, 7560, 7566, 7572, 7578, 7584, 7590, 7596, 7602, 7608, 7614, 7620, 7626, 7632, 7638, 7644, 7650, 7656, 7662, 7668, 7674, 7680, 7686, 7692, 7698, 7704, 7710, 7716, 7722, 7728, 7734, 7740, 7746, 7752, 7758, 7764, 7770, 7776, 7782, 7788, 7794, 7800, 7806, 7812, 7818, 7824, 7830, 7836, 7842, 7848, 7854, 7860, 7866, 7872, 7878, 7884, 7890, 7896, 7902, 7908, 7914, 7920, 7926, 7932, 7938, 7944, 7950, 7956, 7962, 7968, 7974, 7980, 7986, 7992, 7998, 8004, 8010, 8016, 8022, 8028, 8034, 8040, 8046, 8052, 8058, 8064, 8070, 8076, 8082, 8088, 8094, 8100, 8106, 8112, 8118, 8124, 8130, 8136, 8142, 8148, 8154, 8160, 8166, 8172, 8178, 8184, 8190, 8196, 8202, 8208, 8214, 8220, 8226, 8232, 8238, 8244, 8250, 8256, 8262, 8268, 8274, 8280, 8286, 8292, 8298, 8304, 8310, 8316, 8322, 8328, 8334, 8340, 8346, 8352, 8358, 8364, 8370, 8376, 8382, 8388, 8394, 8400, 8406, 8412, 8418, 8424, 8430, 8436, 8442, 8448, 8454, 8460, 8466, 8472, 8478, 8484, 8490, 8496, 8502, 8508, 8514, 8520, 8526, 8532, 8538, 8544, 8550, 8556, 8562, 8568, 8574, 8580, 8586, 8592, 8598, 8604, 8610, 8616, 8622, 8628, 8634, 8640, 8646, 8652, 8658, 8664, 8670, 8676, 8682, 8688, 8694, 8700, 8706, 8712, 8718, 8724, 8730, 8736, 8742, 8748, 8754, 8760, 8766, 8772, 8778, 8784, 8790, 8796, 8802, 8808, 8814, 8820, 8826, 8832, 8838, 8844, 8850, 8856, 8862, 8868, 8874, 8880, 8886, 8892, 8898, 8904, 8910, 8916, 8922, 8928, 8934, 8940, 8946, 8952, 8958, 8964, 8970, 8976, 8982, 8988, 8994, 9000, 9006, 9012, 9018, 9024, 9030, 9036, 9042, 9048, 9054, 9060, 9066, 9072, 9078, 9084, 9090, 9096, 9102, 9108, 9114, 9120, 9126, 9132, 9138, 9144, 9150, 9156, 9162, 9168, 9174, 9180, 9186, 9192, 9198, 9204, 9210, 9216, 9222, 9228, 9234, 9240, 9246, 9252, 9258, 9264, 9270, 9276, 9282, 9288, 9294, 9300, 9306, 9312, 9318, 9324, 9330, 9336, 9342, 9348, 9354, 9360, 9366, 9372, 9378, 9384, 9390, 9396, 9402, 9408, 9414, 9420, 9426, 9432, 9438, 9444, 9450, 9456, 9462, 9468, 9474, 9480, 9486, 9492, 9498, 9504, 9510, 9516, 9522, 9528, 9534, 9540, 9546, 9552, 9558, 9564, 9570, 9576, 9582, 9588, 9594, 9600, 9606, 9612, 9618, 9624, 9630, 9636, 9642, 9648, 9654, 9660, 9666, 9672, 9678, 9684, 9690, 9696, 9702, 9708, 9714, 9720, 9726, 9732, 9738, 9744, 9750, 9756, 9762, 9768, 9774, 9780, 9786, 9792, 9798, 9804, 9810, 9816, 9822, 9828, 9834, 9840, 9846, 9852, 9858, 9864, 9870, 9876, 9882, 9888, 9894, 9900, 9906, 9912, 9918, 9924, 9930, 9936, 9942, 9948, 9954, 9960, 9966, 9972, 9978, 9984, 9990, 9996, 10002, 10008, 10014, 10020, 10026, 10032, 10038, 10044, 10050, 10056, 10062, 10068, 10074, 10080, 10086, 10092, 10098, 10104, 10110, 10116, 10122, 10128, 10134, 10140, 10146, 10152, 10158, 10164, 10170, 10176, 10182, 10188, 10194, 10200, 10206, 10212, 10218, 10224, 10230, 10236, 10242, 10248, 10254, 10260, 10266, 10272, 10278, 10284, 10290, 10296, 10302, 10308, 10314, 10320, 10326, 10332, 10338, 10344, 10350, 10356, 10362, 10368, 10374, 10380, 10386, 10392, 10398, 10404, 10410, 10416, 10422, 10428, 10434, 10440, 104



# THE SPOT

- **Free Pay PER View**
- **Close to 400 Channels**
- **No Monthly Payments**
- **\$1300 includes installation**



## THE SPOT Computer Deals

- We Will Beat  
Any Advertised  
Quote On  
Computer Systems
- Custom Built  
Hi-End PC's  
For Any Need.
- Call For  
FREE Quote

THE SPOT  
805-637-4980













# BRAMPTON COMPUTES

22A Strathearn Avenue, Unit 1A, Brampton, Ont.

**(905) 793-9111**

[www.bramptoncomputes.com](http://www.bramptoncomputes.com)

**BACK TO SCHOOL SUPER SALE BONANZA!!!**

**LOWEST PRICES SO FAR THIS YEAR!!!**

## MODEMS (NEW)

56K Ross Modem	.....\$79
28.8 Modem	.....\$35
33.6 Modem/Sound Card Combo	.....\$35

## MOTHERBOARDS

Pentium Motherboards	.....\$49
Pentium 100 MB & CPU	.....\$119
Pentium 133 MB & CPU	.....\$149
Pentium 166 MB & CPU	.....\$175
Pentium II 266 MB & CPU	.....\$539

## HARD DRIVES

**NEW**  
2.1 GB  
Western  
Digital  
\$149

**NEW**  
4.3 GB  
SECI  
\$279

**NEW**  
3.2 GB  
Notebook  
HD  
\$259

4.3 GB HD	.....\$229
3.2 GB WD	.....\$169
1.7 GB HD	.....\$139
1.2 GB HD	.....\$119
650 MB HD	.....\$105
540 MB HD	.....\$79

## HARD DRIVE TESTER

Graystone Hard Drive Blaster  
Checks & Copies 5 Hard Drives  
Simultaneously .....\$1600  
12 Station Multiplexer .....\$79

## MULTI-MEDIA

6x CD ROM & Changer in One \$45  
Super Powerful Speakers  
They Will Blow You Away .....\$99  
16 Bit Sound Card Yamaha/OPTI .....\$19  
24x CD ROM Panasonic/Creative Labs \$69  
2MB Video Card PCI .....\$35

## NETWORK CARDS

ISA Combo Network Cards P&P  
New Retail Box .....\$12.95

## POWER SUPPLIES & CASES

Pentium IIATX Cases (Metal)  
Super Quality (With Power Supply) .....\$79  
ATX Power Supply .....\$45  
AT Power Supply .....\$15

## MONITORS

### HIGH QUALITY

14" SVGA	.....\$89 to \$139
15" SVGA	.....\$139 to \$159
17" SVGA .26 res.	.....\$249 to \$369
20" SVGA	.....\$399 to \$799

## NOTEBOOK

DELL Pentium 133 MM	.....\$1400
NEC Brand New	.....\$1900
3.2 GB New Notebook HD	.....\$259
420 MB Notebook HD	.....\$85
120 MB Notebook HD	.....\$39

## MEMORY

16 MEG 72 pin SDRAM	.....\$32	32 MEG DIM	.....\$66
32 MEG 72 pin SDRAM	.....\$66	64 MEG DIM	.....\$132

## SYSTEMS

Complete Systems  
This Price Can't Be Beat  
CYNIX C86

1.7 GB Hard Drive, 32 MB RAM  
CD ROM, Sound Card  
Fax/Modem, K/B & Mouse .....\$395

**We Ship Across Canada.**

Fax us your order  
at 905-793-5735



**We Buy & Sell**  
New & Used Computer Equipment







## Make Contact.

### Websites Create Business

A well designed website will help you find new customers and sell your products and services, attract payment, improve quality of customer service, and reduce the costs of doing business.

Websites work — if they do something for you and your customers. Internet users are not looking for you, and they are looking for you.

Make Contact with Punch Media to put more than a pretty picture on your website.

## Make Contact.

**416-866-6633**  
**www.punchmedia.com**  
**1-888-38PUNCH**

16 Richmond St. East, Toronto, ON M5G 1P1  
 Monday - Friday 9:00am - 6:00pm

#### Continued from page 10

##### Introduce Chinese (plus)

Big money with cartoon characters.  
 Digitized Chinese (Mac) info: [www.apple.com/ma](http://www.apple.com/ma)

**Disney goes to China** — Following the release of its latest animated feature, Disney Interactive has released Disney's Mouse Interactive Storybook, a multimedia CD-ROM. The disc—a Mac/Windows 3.1 CD-ROM—has the story and gets you live through it.

Like every Disney Interactive title, Mouse Interactive Storybook contains a mix of video scenes, educational and entertainment elements in the form of puzzle and game modules, presented with lovely studio graphics, sound and animation.

The disc introduces players to several Chats in the course of helping Mickey find

his friend Minnie, follow Mickey's adventures, find five magical keys, continuing an account of Mickey's story and deliver them to the Chinese emperor. The search involves puzzles and creative reasoning skills, and cartoon-style dialogues featuring original songs from the movie's sound track. Children can make and print storybooks and trading cards with the game and print out designs of a castle.

Chinese children to draw paper dolls. The CD-ROM also features five voice clips. The disc, including Disney's Little to the original Star 2nd series, the Mouse and Mickey Variants, with singing by Disney Award and Los Angeles Disney's Mouse. Generalized Storybook has an estimated street price of \$49.99—JL

Impact: This is compiled by Megan Johnson, David Tanaka, and Jeff Brown.

## HANDS-ON TRAINING

taught by Professional Instructors, One PC per student

---

### 18 Hr Computer Assembly Course

Assembly, Upgrade, Troubleshoot Complete Personal PC  
 Peripheral: \$699.95 + Materials **\$200**

---

### 7 Hr Introduction to LANs (Local Area Networks)

Setup & Install Network Interface Card with Windows TCP/IP  
 E-mail, Postoffice File & Printer Sharing **\$80**

---

### ZODIAC SYSTEMS

Tel: 416-298-9990 Fax: 416-298-9994  
[ztraining@zodsys.com](mailto:ztraining@zodsys.com) <http://www.zodsys.com>

177 Progress Ave., Unit 2, Scar. R4N 4T6 (Kensington & Don Mills, W. of Brimley)  
 Complete Computer System: \$2000-4000, Hardware: \$500-1000, A/D: \$200-1K, IBM  
 PC: \$200-1K, LAN: Custom, Controller: Custom, Instructors: \$100/Session

## ACM COMPUTER CENTRE

4100 Sheppard Ave. East, Unit 104 Tel: (416) 298-6700  
 Scarborough, Ont. M1S 4W6 (North of Hwy. 404 at Midway) Fax: (416) 298-6700

### IBM Compatible

- HP 7500/100, 6801/12000/1st Parallel \$21,790.00
- Windows 2/1600/1600/1000, Local Software \$300
- Peripherals: 2/1600/1600 \$200
- Monitor: Philips 15" Monitor \$250.00
- Printer: HP LaserJet 4/1600 \$1,200.00
- Keyboard: IBM 4/1600 \$100.00
- Mouse: IBM 4/1600 \$100.00
- Windows 2/1600/1600/1000, Internal Hard Drive \$200.00
- Windows 2/1600/1600/1000, External Hard Drive \$200.00
- IBM 4/1600/1600/1000, External Hard Drive \$200.00
- IBM 4/1600/1600/1000, External Hard Drive \$200.00

### IBM Compatible

- HP 7500/100, 6801/1200/1st Parallel \$21,790.00
- Windows 2/1600/1600/1000, Local Software \$300
- Peripherals: 2/1600/1600 \$200
- Monitor: Philips 15" Monitor \$250.00
- Printer: HP LaserJet 4/1600 \$1,200.00
- Keyboard: IBM 4/1600 \$100.00
- Mouse: IBM 4/1600 \$100.00
- Windows 2/1600/1600/1000, Internal Hard Drive \$200.00
- Windows 2/1600/1600/1000, External Hard Drive \$200.00
- IBM 4/1600/1600/1000, External Hard Drive \$200.00
- IBM 4/1600/1600/1000, External Hard Drive \$200.00

### IBM Compatible

- HP 7500/100, 6801/1200/1st Parallel \$21,790.00
- Windows 2/1600/1600/1000, Local Software \$300
- Peripherals: 2/1600/1600 \$200
- Monitor: Philips 15" Monitor \$250.00
- Printer: HP LaserJet 4/1600 \$1,200.00
- Keyboard: IBM 4/1600 \$100.00
- Mouse: IBM 4/1600 \$100.00
- Windows 2/1600/1600/1000, Internal Hard Drive \$200.00
- Windows 2/1600/1600/1000, External Hard Drive \$200.00
- IBM 4/1600/1600/1000, External Hard Drive \$200.00
- IBM 4/1600/1600/1000, External Hard Drive \$200.00

### IBM Compatible

- HP 7500/100, 6801/1200/1st Parallel \$21,790.00
- Windows 2/1600/1600/1000, Local Software \$300
- Peripherals: 2/1600/1600 \$200
- Monitor: Philips 15" Monitor \$250.00
- Printer: HP LaserJet 4/1600 \$1,200.00
- Keyboard: IBM 4/1600 \$100.00
- Mouse: IBM 4/1600 \$100.00
- Windows 2/1600/1600/1000, Internal Hard Drive \$200.00
- Windows 2/1600/1600/1000, External Hard Drive \$200.00
- IBM 4/1600/1600/1000, External Hard Drive \$200.00
- IBM 4/1600/1600/1000, External Hard Drive \$200.00

### IBM Compatible

- HP 7500/100, 6801/1200/1st Parallel \$21,790.00
- Windows 2/1600/1600/1000, Local Software \$300
- Peripherals: 2/1600/1600 \$200
- Monitor: Philips 15" Monitor \$250.00
- Printer: HP LaserJet 4/1600 \$1,200.00
- Keyboard: IBM 4/1600 \$100.00
- Mouse: IBM 4/1600 \$100.00
- Windows 2/1600/1600/1000, Internal Hard Drive \$200.00
- Windows 2/1600/1600/1000, External Hard Drive \$200.00
- IBM 4/1600/1600/1000, External Hard Drive \$200.00
- IBM 4/1600/1600/1000, External Hard Drive \$200.00

### IBM Compatible

- HP 7500/100, 6801/1200/1st Parallel \$21,790.00
- Windows 2/1600/1600/1000, Local Software \$300
- Peripherals: 2/1600/1600 \$200
- Monitor: Philips 15" Monitor \$250.00
- Printer: HP LaserJet 4/1600 \$1,200.00
- Keyboard: IBM 4/1600 \$100.00
- Mouse: IBM 4/1600 \$100.00
- Windows 2/1600/1600/1000, Internal Hard Drive \$200.00
- Windows 2/1600/1600/1000, External Hard Drive \$200.00
- IBM 4/1600/1600/1000, External Hard Drive \$200.00
- IBM 4/1600/1600/1000, External Hard Drive \$200.00



## Digital cameras pass price, popularity watersheds

**S**ince last January, its monthly installed base of digital cameras in the last 1990s has been substantially affected by three consecutive and complete compatibility and enabled by these limited models are not high-end. In, with only two million digital cameras sold in 1997, the product category has finally passed a kind of watershed.

Digital photography is now ubiquitous and generally accepted imaging medium used by most members of general consumer, academic, professional and even professional graphic arts and photographic communities. The digital camera to shoot has entered the home and it goes without that I got my hands on just at the latest edition into the digital camera arena, with accessories in the same way.

One feature added to my problem about prior to banking the 1000 p.c. loaner with credit qualifications and the other at the higher and allowing nearly 11 million plus revenues through T700. Perhaps my digital camera, scanner, and laptop computer at last.

DATE	TIME	NAME	AGE
1998-01-01	10:00	John Doe	25
1998-01-01	10:00	Jane Smith	30
1998-01-01	10:00	Bob Johnson	35
1998-01-01	10:00	Alice Brown	40
1998-01-01	10:00	Charlie White	45
1998-01-01	10:00	Diana Green	50
1998-01-01	10:00	Frank Black	55
1998-01-01	10:00	Grace Lee	60
1998-01-01	10:00	Henry King	65
1998-01-01	10:00	Ivy Hill	70
1998-01-01	10:00	Jack Adams	75
1998-01-01	10:00	Karen Baker	80
1998-01-01	10:00	Leo Clark	85
1998-01-01	10:00	Mia Evans	90
1998-01-01	10:00	Noah Scott	95
1998-01-01	10:00	Olivia Taylor	100
1998-01-01	10:00	Peter Hall	105
1998-01-01	10:00	Quinn Young	110
1998-01-01	10:00	Rachel King	115
1998-01-01	10:00	Samuel Hill	120
1998-01-01	10:00	Tina Adams	125
1998-01-01	10:00	Uma Baker	130
1998-01-01	10:00	Victor Clark	135
1998-01-01	10:00	Wendy Evans	140
1998-01-01	10:00	Xavier Scott	145
1998-01-01	10:00	Yara Taylor	150
1998-01-01	10:00	Zoe Hall	155
1998-01-01	10:00	Adam Young	160
1998-01-01	10:00	Bella King	165
1998-01-01	10:00	Carl Hill	170
1998-01-01	10:00	Dora Adams	175
1998-01-01	10:00	Ethan Baker	180
1998-01-01	10:00	Fiona Clark	185
1998-01-01	10:00	Gavin Evans	190
1998-01-01	10:00	Helen Scott	195
1998-01-01	10:00	Ian Taylor	200
1998-01-01	10:00	Julia Hall	205
1998-01-01	10:00	Kyle Young	210
1998-01-01	10:00	Laura King	215
1998-01-01	10:00	Mark Hill	220
1998-01-01	10:00	Nancy Adams	225
1998-01-01	10:00	Oscar Baker	230
1998-01-01	10:00	Pamela Clark	235
1998-01-01	10:00	Quinn Evans	240
1998-01-01	10:00	Rachel Scott	245
1998-01-01	10:00	Samuel Taylor	250
1998-01-01	10:00	Tina Hall	255
1998-01-01	10:00	Uma Young	260
1998-01-01	10:00	Victor King	265
1998-01-01	10:00	Wendy Hill	270
1998-01-01	10:00	Xavier Adams	275
1998-01-01	10:00	Yara Baker	280
1998-01-01	10:00	Zoe Clark	285
1998-01-01	10:00	Adam Evans	290
1998-01-01	10:00	Bella Scott	295
1998-01-01	10:00	Carl Taylor	300
1998-01-01	10:00	Dora Hall	305
1998-01-01	10:00	Ethan Young	310
1998-01-01	10:00	Fiona King	315
1998-01-01	10:00	Gavin Hill	320
1998-01-01	10:00	Helen Adams	325
1998-01-01	10:00	Ian Baker	330
1998-01-01	10:00	Julia Clark	335
1998-01-01	10:00	Kyle Evans	340
1998-01-01	10:00	Laura Scott	345
1998-01-01	10:00	Mark Taylor	350
1998-01-01	10:00	Nancy Hall	355
1998-01-01	10:00	Oscar Young	360
1998-01-01	10:00	Pamela King	365
1998-01-01	10:00	Quinn Hill	370
1998-01-01	10:00	Rachel Adams	375
1998-01-01	10:00	Samuel Baker	380
1998-01-01	10:00	Tina Clark	385
1998-01-01	10:00	Uma Evans	390
1998-01-01	10:00	Victor Scott	395
1998-01-01	10:00	Wendy Taylor	400
1998-01-01	10:00	Xavier Hall	405
1998-01-01	10:00	Yara Young	410
1998-01-01	10:00	Zoe King	415
199			

Remcon has developed a digital camera system for the Macintosh Classic that fits into a standard 3.5-in. floppy disk drive, which uses the same lens system as the original camera system to help keep the cost of the camera system down—way down at only \$49.95. The camera itself is a simple digital video CCD chip camera enclosed in a small, shield-shaped plastic system that plugs into the camera slot on the Classic. Remcon, 1000

cannot lose all of its software built in: like a  
windstorm, it can edge

He captured 179 83 million-dollar profits, allows the men to press images out on papers that is about 1.5 inches wide but being a Game Boy owner again I may not have used his latest device until the next level. David's Game Boy is linked a laugh on the battery case, gamertone, so we had to hold the battery in by hand to catch the end of a million dollar innovation of the camera. Gamertone was, usually, and about and so

Video images are digitized in real time and displayed on the Game Boy's monochrome (16) screen. The device is operated with the Game Boy's built-in game controls. The software operates an unusually flexible—*you can put digitized images even poorer "back video" and composite them with a variety of artistic effects.*

Even today this device is called for taking pictures shots of people and then manipulating and modifying and animating them in greatly humorous and often creative ways. When you complete an image, you like, you post it out. One ability of the system is that it produces the "bop" and "booy" sound effects of a regular video game, sometimes making it a different experience from operating a regular motion picture camera.

Heat drying can be followed by ironing at the same time in a very convenient way to become familiar with heat shrinkage.



100



The latest digital camera from Fujifilm, the M4100, is so successful for a number of reasons. First, it is one of the smallest consumer video cameras—less than pocket sized—and weighs only a few ounces. Second, it is extremely easy to use with a still-advance mode selection wheel that is very simple and intuitive. Third, it offers amazingly sharp, color-rich images. Fourth, it offers acceptably high resolution images up to 0.5 million pixels (313K x 164 pixels). Finally, for that matter, the price tag is less than \$500.

There are some limitations, however. First, it is a real power bag if you use it from beneath the responsibility of your car. The Interstate Motor Club (www.imclub.com) offers a lot of information on the subject. This may be one reason (aside from carrying a big bag of spare tires) why some car owners are so concerned about their car's weight.

[illegible][illegible]

## Comdex Canada:

News from the show floor, panel discussions and keynote speakers

**Skills crunch:** Given I. means jobs for all (ENR/12/27/92)—I have as of the debate about whether the much talked about shortage of skilled technicians exists or not, as a result

Partners at the Lumsden/Lumsden order store agreed through their employees had let us be prepared to pay well for goods that we obtained and to offer these employees an attractive work environment while those working at the fish pits had their share paid for by the government.

**President Dugg**, Vice president of the International Commission on Training Research, said a balance must be struck between a traditional view from the US of all knowledge relating to the number of graduates in a country versus programs that differ since the late 1980s when the demand for technology workers grew. "Since then, in our technology-related countries, as analysts and program managers, we've had to be real," he said.

For a sample of the dialogue that ensued, it moved into the high-tech third rail for, first, Ronald Reagan to get a job partly because of employees, and, second, large amounts of experience and Paul Simon, president of the Committee between William Browder, General and a member of the panel, said to say the level of complexity, certainly. The key in high-tech modern, Brumfield said, is that they have to keep updating their skills—not just in technology but in communication and in other areas that will affect their work.

My master's thesis many years ago was on the use of Sankaranand's and van der Linden's knowledge in not enough. He told the story of an acquaintance with another technical friend who had recently building a job in more than a few months because of your previous skills "This is the attitude in 1930s!" Sankaranand said "and where he could look for away in a hard time he was miserable!" Today though technical workers increasingly need what the academic professors would call a good business sense.

Lighthouse Network is also pleased to host several Webinars that will help technology managers with this new technology project management skills, an understanding of what is new and powerful, important, and the skills to teach people.

efficiently. The ability to learn quickly is also essential for use.

Environmental class members in the technology field have to take the initiative to keep their thing new, shiny. Learning, knowing—I can try to connect those two—in the world, the way we connect them, from job content, sales, lead time, a client, more than 10 years ago and who connects it that, my company, do it (and) me to take that I take the

It implies we need to go back to school and "relearn" what it truly is to learn personally, creatively before they graduate. The author told me to stop on this. He said, suggesting that I take note of the way at graduation time. In hopes of you taking a lot of the best time we will be disappointed. I mean, obviously, I have people here, but I'm taking an effort to do the very best with it. I see. And this is a significant note to be in the future.

Then, said regulators, do add a risk filter to efforts to pare costs—and gradually raise them. They mean to—on deals that are as high

Internet  
Internet are going up all that is a very, very fast. However, the parents are spend that money, is not something in losing the best people to your company and keeping them there. Technology makes more challenges and they want to work for a "cool" company. Kotkin and the others a cool come jump as a well managed one where employees feel comfortable and are treated as full valuable, not numbers.

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 399–405

20427070 (1984-1-1st-4 Ltr) Israeli IBM's PurVisor speech-recognition software integrates with its SpeechMaster 'Live' Audio kit for personal computers. A company official presented at a press gathering during Canada/Canada

Mike Royal, a product manager at Creative, said Creative will be handling Vietnam with brandlines Ltd, which is due for shipment later this year. Although he qualified that statement, saying the handling deal is not official yet but it probably going to happen.

SourceMate uses the Customer Relationship and Sales platform which according to company officials goes beyond standard CRM to add full capabilities in changing the relationship of a client to the

control is desired, environmental health is a small issue, a larger issue for children.

The SoundBlaster Live! 5.1 hardware will be able to support as many as eight speakers, and Street said it will help improve the general mass of speech accepted as "background" by isolating the speaker's voice from other sounds.

Copyright © 2004 John Wiley & Sons, Inc.

As the news grew, witnesses Mark Jamieson, head of Canam, Ltd. in Canada, said the company, it is unable to pay a series of legal fees. Canadian authorities do not have the right to enforce the debt claim for the reason. The law made a good aspect for the business firm. The law said it is not valid for the payment of a claim if a creditor is not in the firm's country.

Downloaded from <http://ajph.org/> by guest on June 11, 2015

## Abstracts of the following publications are included:

**SCIENCE IN ACTION**—Miles is a computer scientist in his own right and makes up lots of people stories with administrative headaches such as time tracking, and so on, and so forth, may finally allow technology to deliver the kind of benefits his proponents have been promising for years. And from Michigan, two-part, dress and coordination of United States, a value and marketing group is a Lancaster address in Canada/Canada.

The facts with its widely used and easy to understand language will help at that. And whether business are making money on the high or not. Romney said in a question period with reporters after his speech: it is hard to say "this thing is just moving into people's lives in the same way that television did," he said.

history didn't buy the idea that the Internet's adoption demonstrates capability will underwrite the need for local computing power. Proponents of high-speed communications technology, such as space-intensive home networks of the future argue that if they provide a big enough pipe everything can be done on the Internet, he said, but that has not happened because there is always some big new and useful data can't be done on the client side.

"I used to be the primary provider of their main-  
stream power," Midway told reporters. "and  
you can't give us enough bandwidth."

In his speech, Romney called about "one third something" on which tasks that need to be done but should not take up the new White House's time, such as more checking, compensating and discrediting ideas, for better innovation, spending, and so forth—go on in the back of your mind, Romney, you're a real entrepreneur.

He said this, coupled with efforts to simplify the installation and maintenance of equipment such as Plug and Play technology, could help produce net productivity gains. After the address, "history, noted that the cost of technology, per employee at Intel was approaching \$7000 a couple of years ago. Now, it is down below \$1,000 thanks, in large part, to simplifying the manufacturing of that technology."

50 This trend will help her compare her number of bookings with the level of maintenance work rather than the long-held corporate belief that just as telephone company employees decades ago were paid for spending all their time connecting phone calls.

[illegible]

**LOGICATE PAPER**—National paging company Pap-Mat Canada Ltd. announced an alliance with Minolta Inc. and the Palm Computer Corp. of Santa Clara, to offer wireless messaging through their PalmPilot handheld computers, wireless fax and other services.

The service, which uses a paging card re-designed by Motorola's first Antennas and Location Division and PageStar, will be launched Canada-wide in mid-August. PageStar Sales Manager Jerry Gimplich said at the Canada/Canada technology show held in early July in Toronto.

The freeware pages and mailing lists used **PalmPilot** models—although not the **PalmPilot** computers—will allow **PalmPilot** users to receive text messages to a maximum of 500 characters. **Kingdell** and I will also receive updates to the **PalmPilot**'s calendar as specified by formatted messages. The device includes extra memory to increase the handheld computer's main capacity to 2 MB, temporary internal data and where it receives a custom user. It can hold on the caller's number in the

Polymorphism is achieved by defining a method with the same name as the method in the superclass, but with a different implementation.

### COMPUTER IMAGE

Tel: 415 280-0810 164 Searsville Rd.  
Folsom, CA 95630  
Folsom, CA 95630

### UPGRADES

386/486/586  
286/386/486/586

### SOFTWARE & CPU

386/486/586  
286/386/486/586  
Pentium 1/2/3  
Pentium Pro 1/2/3  
Pentium IV 1/2/3

FROM	FROM 286	FROM 386	FROM 486	FROM 586
286	\$180	\$185	\$285	\$340
Pentium 75	\$140	\$155	\$255	\$305
Pentium 90	\$125	\$135	\$235	\$285
Pentium 100	\$100	\$115	\$215	\$265
Pentium 133	\$80	\$95	\$195	\$245

### SOFTWARE & CPU

386/486/586  
286/386/486/586  
Pentium 1/2/3  
Pentium Pro 1/2/3  
Pentium IV 1/2/3

### SOFTWARE & CPU

386/486/586  
286/386/486/586  
Pentium 1/2/3  
Pentium Pro 1/2/3  
Pentium IV 1/2/3

### SOFTWARE & CPU

386/486/586  
286/386/486/586  
Pentium 1/2/3  
Pentium Pro 1/2/3  
Pentium IV 1/2/3

### SOFTWARE & CPU

386/486/586  
286/386/486/586  
Pentium 1/2/3  
Pentium Pro 1/2/3  
Pentium IV 1/2/3

### SOFTWARE & CPU

386/486/586  
286/386/486/586  
Pentium 1/2/3  
Pentium Pro 1/2/3  
Pentium IV 1/2/3







243-7406	Flax 243-7008	1840 Marine Drive	Mo Unit 17	Highway
----------	---------------	-------------------	------------	---------

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 103–110

[illegible]

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 101–107

WE TRADE IN USED SYSTEMS WE BUY USED PARTS  
TOP DOLLARS FOR YOUR USED HARDWARE

WE CARRY ALL MAJOR BRAND NAME COMPONENTS

1992-1993 Y. 1993-1994 Y. 1994-1995 Y. 1995-1996 Y. 1996-1997 Y. 1997-1998 Y. 1998-1999 Y. 1999-2000 Y. 2000-2001 Y. 2001-2002 Y. 2002-2003 Y. 2003-2004 Y. 2004-2005 Y. 2005-2006 Y. 2006-2007 Y. 2007-2008 Y. 2008-2009 Y. 2009-2010 Y. 2010-2011 Y. 2011-2012 Y. 2012-2013 Y. 2013-2014 Y. 2014-2015 Y. 2015-2016 Y. 2016-2017 Y. 2017-2018 Y. 2018-2019 Y. 2019-2020 Y. 2020-2021 Y. 2021-2022 Y. 2022-2023 Y. 2023-2024 Y. 2024-2025 Y. 2025-2026 Y. 2026-2027 Y. 2027-2028 Y. 2028-2029 Y. 2029-2030 Y. 2030-2031 Y. 2031-2032 Y. 2032-2033 Y. 2033-2034 Y. 2034-2035 Y. 2035-2036 Y. 2036-2037 Y. 2037-2038 Y. 2038-2039 Y. 2039-2040 Y. 2040-2041 Y. 2041-2042 Y. 2042-2043 Y. 2043-2044 Y. 2044-2045 Y. 2045-2046 Y. 2046-2047 Y. 2047-2048 Y. 2048-2049 Y. 2049-2050 Y. 2050-2051 Y. 2051-2052 Y. 2052-2053 Y. 2053-2054 Y. 2054-2055 Y. 2055-2056 Y. 2056-2057 Y. 2057-2058 Y. 2058-2059 Y. 2059-2060 Y. 2060-2061 Y. 2061-2062 Y. 2062-2063 Y. 2063-2064 Y. 2064-2065 Y. 2065-2066 Y. 2066-2067 Y. 2067-2068 Y. 2068-2069 Y. 2069-2070 Y. 2070-2071 Y. 2071-2072 Y. 2072-2073 Y. 2073-2074 Y. 2074-2075 Y. 2075-2076 Y. 2076-2077 Y. 2077-2078 Y. 2078-2079 Y. 2079-2080 Y. 2080-2081 Y. 2081-2082 Y. 2082-2083 Y. 2083-2084 Y. 2084-2085 Y. 2085-2086 Y. 2086-2087 Y. 2087-2088 Y. 2088-2089 Y. 2089-2090 Y. 2090-2091 Y. 2091-2092 Y. 2092-2093 Y. 2093-2094 Y. 2094-2095 Y. 2095-2096 Y. 2096-2097 Y. 2097-2098 Y. 2098-2099 Y. 2099-2100 Y. 2100-2101 Y. 2101-2102 Y. 2102-2103 Y. 2103-2104 Y. 2104-2105 Y. 2105-2106 Y. 2106-2107 Y. 2107-2108 Y. 2108-2109 Y. 2109-2110 Y. 2110-2111 Y. 2111-2112 Y. 2112-2113 Y. 2113-2114 Y. 2114-2115 Y. 2115-2116 Y. 2116-2117 Y. 2117-2118 Y. 2118-2119 Y. 2119-2120 Y. 2120-2121 Y. 2121-2122 Y. 2122-2123 Y. 2123-2124 Y. 2124-2125 Y. 2125-2126 Y. 2126-2127 Y. 2127-2128 Y. 2128-2129 Y. 2129-2130 Y. 2130-2131 Y. 2131-2132 Y. 2132-2133 Y. 2133-2134 Y. 2134-2135 Y. 2135-2136 Y. 2136-2137 Y. 2137-2138 Y. 2138-2139 Y. 2139-2140 Y. 2140-2141 Y. 2141-2142 Y. 2142-2143 Y. 2143-2144 Y. 2144-2145 Y. 2145-2146 Y. 2146-2147 Y. 2147-2148 Y. 2148-2149 Y. 2149-2150 Y. 2150-2151 Y. 2151-2152 Y. 2152-2153 Y. 2153-2154 Y. 2154-2155 Y. 2155-2156 Y. 2156-2157 Y. 2157-2158 Y. 2158-2159 Y. 2159-2160 Y. 2160-2161 Y. 2161-2162 Y. 2162-2163 Y. 2163-2164 Y. 2164-2165 Y. 2165-2166 Y. 2166-2167 Y. 2167-2168 Y. 2168-2169 Y. 2169-2170 Y. 2170-2171 Y. 2171-2172 Y. 2172-2173 Y. 2173-2174 Y. 2174-2175 Y. 2175-2176 Y. 2176-2177 Y. 2177-2178 Y. 2178-2179 Y. 2179-2180 Y. 2180-2181 Y. 2181-2182 Y. 2182-2183 Y. 2183-2184 Y. 2184-2185 Y. 2185-2186 Y. 2186-2187 Y. 2187-2188 Y. 2188-2189 Y. 2189-2190 Y. 2190-2191 Y. 2191-2192 Y. 2192-2193 Y. 2193-2194 Y. 2194-2195 Y. 2195-2196 Y. 2196-2197 Y. 2197-2198 Y. 2198-2199 Y. 2199-2200 Y. 2200-2201 Y. 2201-2202 Y. 2202-2203 Y. 2203-2204 Y. 2204-2205 Y. 2205-2206 Y. 2206-2207 Y. 2207-2208 Y. 2208-2209 Y. 2209-2210 Y. 2210-2211 Y. 2211-2212 Y. 2212-2213 Y. 2213-2214 Y. 2214-2215 Y. 2215-2216 Y. 2216-2217 Y. 2217-2218 Y. 2218-2219 Y. 2219-2220 Y. 2220-2221 Y. 2221-2222 Y. 2222-2223 Y. 2223-2224 Y. 2224-2225 Y. 2225-2226 Y. 2226-2227 Y. 2227-2228 Y. 2228-2229 Y. 2229-2230 Y. 2230-2231 Y. 2231-2232 Y. 2232-2233 Y. 2233-2234 Y. 2234-2235 Y. 2235-2236 Y. 2236-2237 Y. 2237-2238 Y. 2238-2239 Y. 2239-2240 Y. 2240-2241 Y. 2241-2242 Y. 2242-2243 Y. 2243-2244 Y. 2244-2245 Y. 2245-2246 Y. 2246-2247 Y. 2247-2248 Y. 2248-2249 Y. 2249-2250 Y. 2250-2251 Y. 2251-2252 Y. 2252-2253 Y. 2253-2254 Y. 2254-2255 Y. 2255-2256 Y. 2256-2257 Y. 2257-2258 Y. 2258-2259 Y. 2259-2260 Y. 2260-2261 Y. 2261-2262 Y. 2262-2263 Y. 2263-2264 Y. 2264-2265 Y. 2265-2266 Y. 2266-2267 Y. 2267-2268 Y. 2268-2269 Y. 2269-2270 Y. 2270-2271 Y. 2271-2272 Y. 2272-2273 Y. 2273-2274 Y. 2274-2275 Y. 2275-2276 Y. 2276-2277 Y. 2277-2278 Y. 2278-2279 Y. 2279-2280 Y. 2280-2281 Y. 2281-2282 Y. 2282-2283 Y. 2283-2284 Y. 2284-2285 Y. 2285-2286 Y. 2286-2287 Y. 2287-2288 Y. 2288-2289 Y. 2289-2290 Y. 2290-2291 Y. 2291-2292 Y. 2292-2293 Y. 2293-2294 Y. 2294-2295 Y. 2295-2296 Y. 2296-2297 Y. 2297-2298 Y. 2298-2299 Y. 2299-2300 Y. 2300-2301 Y. 2301-2302 Y. 2302-2303 Y. 2303-2304 Y. 2304-2305 Y. 2305-2306 Y. 2306-2307 Y. 2307-2308 Y. 2308-2309 Y. 2309-2310 Y. 2310-2311 Y. 2311-2312 Y. 2312-2313 Y. 2313-2314 Y. 2314-2315 Y. 2315-2316 Y. 2316-2317 Y. 2317-2318 Y. 2318-2319 Y. 2319-2320 Y. 2320-2321 Y. 2321-2322 Y. 2322-2323 Y. 2323-2324 Y. 2324-2325 Y. 2325-2326 Y. 2326-2327 Y. 2327-2328 Y. 2328-2329 Y. 2329-2330 Y. 2330-2331 Y. 2331-2332 Y. 2332-2333 Y. 23

<h3>CPU</h3> <p>Intel Pentium 100 MHz 100 pins \$129.95          Intel Pentium 133 MHz 144 pins \$149.95          Intel Pentium 166 MHz 144 pins \$169.95          Intel Pentium 200 MHz 144 pins \$189.95          Intel Pentium 233 MHz 144 pins \$209.95          Intel Pentium 266 MHz 144 pins \$229.95          Intel Pentium 300 MHz 144 pins \$249.95          Intel Pentium 333 MHz 144 pins \$269.95          Intel Pentium 366 MHz 144 pins \$289.95          Intel Pentium 400 MHz 144 pins \$309.95          Intel Pentium 450 MHz 144 pins \$349.95          Intel Pentium 500 MHz 144 pins \$399.95          Intel Pentium 550 MHz 144 pins \$449.95          Intel Pentium 600 MHz 144 pins \$499.95          Intel Pentium 666 MHz 144 pins \$549.95          Intel Pentium 700 MHz 144 pins \$599.95          Intel Pentium 733 MHz 144 pins \$649.95          Intel Pentium 766 MHz 144 pins \$699.95          Intel Pentium 800 MHz 144 pins \$749.95          Intel Pentium 866 MHz 144 pins \$799.95          Intel Pentium 900 MHz 144 pins \$849.95          Intel Pentium 933 MHz 144 pins \$899.95          Intel Pentium 966 MHz 144 pins \$949.95          Intel Pentium 1000 MHz 144 pins \$999.95          Intel Pentium 1066 MHz 144 pins \$1049.95          Intel Pentium 1100 MHz 144 pins \$1099.95          Intel Pentium 1133 MHz 144 pins \$1149.95          Intel Pentium 1166 MHz 144 pins \$1199.95          Intel Pentium 1200 MHz 144 pins \$1249.95          Intel Pentium 1266 MHz 144 pins \$1299.95          Intel Pentium 1300 MHz 144 pins \$1349.95          Intel Pentium 1333 MHz 144 pins \$1399.95          Intel Pentium 1366 MHz 144 pins \$1449.95          Intel Pentium 1400 MHz 144 pins \$1499.95          Intel Pentium 1466 MHz 144 pins \$1549.95          Intel Pentium 1500 MHz 144 pins \$1599.95          Intel Pentium 1566 MHz 144 pins \$1649.95          Intel Pentium 1600 MHz 144 pins \$1699.95          Intel Pentium 1666 MHz 144 pins \$1749.95          Intel Pentium 1700 MHz 144 pins \$1799.95          Intel Pentium 1733 MHz 144 pins \$1849.95          Intel Pentium 1766 MHz 144 pins \$1899.95          Intel Pentium 1800 MHz 144 pins \$1949.95          Intel Pentium 1866 MHz 144 pins \$1999.95          Intel Pentium 1900 MHz 144 pins \$2049.95          Intel Pentium 1933 MHz 144 pins \$2099.95          Intel Pentium 1966 MHz 144 pins \$2149.95          Intel Pentium 2000 MHz 144 pins \$2199.95          Intel Pentium 2066 MHz 144 pins \$2249.95          Intel Pentium 2100 MHz 144 pins \$2299.95          Intel Pentium 2133 MHz 144 pins \$2349.95          Intel Pentium 2166 MHz 144 pins \$2399.95          Intel Pentium 2200 MHz 144 pins \$2449.95          Intel Pentium 2266 MHz 144 pins \$2499.95          Intel Pentium 2300 MHz 144 pins \$2549.95          Intel Pentium 2333 MHz 144 pins \$2599.95          Intel Pentium 2366 MHz 144 pins \$2649.95          Intel Pentium 2400 MHz 144 pins \$2699.95          Intel Pentium 2466 MHz 144 pins \$2749.95          Intel Pentium 2500 MHz 144 pins \$2799.95          Intel Pentium 2566 MHz 144 pins \$2849.95          Intel Pentium 2600 MHz 144 pins \$2899.95          Intel Pentium 2666 MHz 144 pins \$2949.95          Intel Pentium 2700 MHz 144 pins \$2999.95          Intel Pentium 2733 MHz 144 pins \$3049.95          Intel Pentium 2766 MHz 144 pins \$3099.95          Intel Pentium 2800 MHz 144 pins \$3149.95          Intel Pentium 2866 MHz 144 pins \$3199.95          Intel Pentium 2900 MHz 144 pins \$3249.95          Intel Pentium 2933 MHz 144 pins \$3299.95          Intel Pentium 2966 MHz 144 pins \$3349.95          Intel Pentium 3000 MHz 144 pins \$3399.95          Intel Pentium 3066 MHz 144 pins \$3449.95          Intel Pentium 3100 MHz 144 pins \$3499.95          Intel Pentium 3133 MHz 144 pins \$3549.95          Intel Pentium 3166 MHz 144 pins \$3599.95          Intel Pentium 3200 MHz 144 pins \$3649.95          Intel Pentium 3266 MHz 144 pins \$3699.95          Intel Pentium 3300 MHz 144 pins \$3749.95          Intel Pentium 3333 MHz 144 pins \$3799.95          Intel Pentium 3366 MHz 144 pins \$3849.95          Intel Pentium 3400 MHz 144 pins \$3899.95          Intel Pentium 3466 MHz 144 pins \$3949.95          Intel Pentium 3500 MHz 144 pins \$3999.95          Intel Pentium 3566 MHz 144 pins \$4049.95          Intel Pentium 3600 MHz 144 pins \$4099.95          Intel Pentium 3666 MHz 144 pins \$4149.95          Intel Pentium 3700 MHz 144 pins \$4199.95          Intel Pentium 3733 MHz 144 pins \$4249.95          Intel Pentium 3766 MHz 144 pins \$4299.95          Intel Pentium 3800 MHz 144 pins \$4349.95          Intel Pentium 3866 MHz 144 pins \$4399.95          Intel Pentium 3900 MHz 144 pins \$4449.95          Intel Pentium 3933 MHz 144 pins \$4499.95          Intel Pentium 3966 MHz 144 pins \$4549.95          Intel Pentium 4000 MHz 144 pins \$4599.95          Intel Pentium 4066 MHz 144 pins \$4649.95          Intel Pentium 4100 MHz 144 pins \$4699.95          Intel Pentium 4133 MHz 144 pins \$4749.95          Intel Pentium 4166 MHz 144 pins \$4799.95          Intel Pentium 4200 MHz 144 pins \$4849.95          Intel Pentium 4266 MHz 144 pins \$4899.95          Intel Pentium 4300 MHz 144 pins \$4949.95          Intel Pentium 4333 MHz 144 pins \$4999.95          Intel Pentium 4366 MHz 144 pins \$5049.95          Intel Pentium 4400 MHz 144 pins \$5099.95          Intel Pentium 4466 MHz 144 pins \$5149.95          Intel Pentium 4500 MHz 144 pins \$5199.95          Intel Pentium 4566 MHz 144 pins \$5249.95          Intel Pentium 4600 MHz 144 pins \$5299.95          Intel Pentium 4666 MHz 144 pins \$5349.95          Intel Pentium 4700 MHz 144 pins \$5399.95          Intel Pentium 4733 MHz 144 pins \$5449.95          Intel Pentium 4766 MHz 144 pins \$5499.95          Intel Pentium 4800 MHz 144 pins \$5549.95          Intel Pentium 4866 MHz 144 pins \$5599.95          Intel Pentium 4900 MHz 144 pins \$5649.95          Intel Pentium 4933 MHz 144 pins \$5699.95          Intel Pentium 4966 MHz 144 pins \$5749.95          Intel Pentium 5000 MHz 144 pins \$5799.95          Intel Pentium 5066 MHz 144 pins \$5849.95          Intel Pentium 5100 MHz 144 pins \$5899.95          Intel Pentium 5133 MHz 144 pins \$5949.95          Intel Pentium 5166 MHz 144 pins \$5999.95          Intel Pentium 5200 MHz 144 pins \$6049.95          Intel Pentium 5266 MHz 144 pins \$6099.95          Intel Pentium 5300 MHz 144 pins \$6149.95          Intel Pentium 5333 MHz 144 pins \$6199.95          Intel Pentium 5366 MHz 144 pins \$6249.95          Intel Pentium 5400 MHz 144 pins \$6299.95          Intel Pentium 5466 MHz 144 pins \$6349.95          Intel Pentium 5500 MHz 144 pins \$6399.95          Intel Pentium 5566 MHz 144 pins \$6449.95          Intel Pentium 5600 MHz 144 pins \$6499.95          Intel Pentium 5666 MHz 144 pins \$6549.95          Intel Pentium 5700 MHz 144 pins \$6599.95          Intel Pentium 5733 MHz 144 pins \$6649.95          Intel Pentium 5766 MHz 144 pins \$6699.95          Intel Pentium 5800 MHz 144 pins \$6749.95          Intel Pentium 5866 MHz 144 pins \$6799.95          Intel Pentium 5900 MHz 144 pins \$6849.95          Intel Pentium 5933 MHz 144 pins \$6899.95          Intel Pentium 5966 MHz 144 pins \$6949.95          Intel Pentium 6000 MHz 144 pins \$6999.95          Intel Pentium 6066 MHz 144 pins \$7049.95          Intel Pentium 6100 MHz 144 pins \$7099.95          Intel Pentium 6133 MHz 144 pins \$7149.95          Intel Pentium 6166 MHz 144 pins \$7199.95          Intel Pentium 6200 MHz 144 pins \$7249.95          Intel Pentium 6266 MHz 144 pins \$7299.95          Intel Pentium 6300 MHz 144 pins \$7349.95          Intel Pentium 6333 MHz 144 pins \$7399.95          Intel Pentium 6366 MHz 144 pins \$7449.95          Intel Pentium 6400 MHz 144 pins \$7499.95          Intel Pentium 6466 MHz 144 pins \$7549.95          Intel Pentium 6500 MHz 144 pins \$7599.95          Intel Pentium 6566 MHz 144 pins \$7</p>
--

## Outlook 98 combines PIM, email functions

**Abstract**

**A**nyone who has made the switch to Windows 98 will have already had a sampling of this new road and personal information manager because a "light" version called Outlook 98 "Express" has been integrated into the operating system.

For those without Windows 98, however, or those who like what they've seen there and want the full version, Microsoft is offering it — but as it is downloaded from its Web site, to those already running selected Microsoft products such as Office 97.

Generalizing from these points that have been kind to the shadowy nature of a Microsoft world, there's nothing odd about the fact that the company's products are generally well produced, easy to learn and function as advertised for most computer-level and small-business users.

Which suggests the case with Outlook 98. Essentially the at key is a fully unique, and Internet email managers and information organizers that branch directly with the rest of your Microsoft applications Office, Windows and Internet Explorer. Personal data such as phone books address books, appointment schedulers and the like are a



Microsoft  
**Outlook 98**

**Outlook 98 E-mail  
and Personal Information Manager**  
From: Microsoft® Office 1.1  
220 Waterfront Blvd. W. Milwaukee, WI 53201  
Tel: 414-382-0434  
Fax: (414) 382-0434  
Free samples after 10 Office hours  
http://www.microsoft.com/outlook

**///.OTA** NOTEBOOK CENTRE

## Notebooks

DAEWOO TCA2 150 Portum / 100 CD / 16MB / 14GB  
13.1" TFT / 960x960

419

IBM 3850      PYRAMAX / 3.2GB / 34x CD / 5MB  
12.1" TFT / 144 floppy / Win95

5 2195

Toshiba 320 CDT      P231MAX / 40GB / 20X CD  
12.1" TFT / 144 Pins / Win95

5249

**New Location Opening Special on**

## DAEWOO Monitors

*(Cash equivalent pricing; credit price may be higher)*

\$2.19 A. Taxes

17" DAEWOO 1024x768, 75Hz \$369 &amp; Taxes



## Desktop Specials

RECEIVED 23 FEB 1988

**JADE \$780**

JUNE 2009

INTER: BENTONVILLE, ARKANSAS, 1968. PHOTOGRAPH BY JIMMYE

1985-1986: 1985 - Question 1 (page 100) 1986 - 1986-1987: 1987 - 1988: 1988 - 1989: 1989 - 1990: 1990 - 1991: 1991 - 1992: 1992 - 1993: 1993 - 1994: 1994 - 1995: 1995 - 1996: 1996 - 1997: 1997 - 1998: 1998 - 1999: 1999 - 2000: 2000 - 2001: 2001 - 2002: 2002 - 2003: 2003 - 2004: 2004 - 2005: 2005 - 2006: 2006 - 2007: 2007 - 2008: 2008 - 2009: 2009 - 2010: 2010 - 2011: 2011 - 2012: 2012 - 2013: 2013 - 2014: 2014 - 2015: 2015 - 2016: 2016 - 2017: 2017 - 2018: 2018 - 2019: 2019 - 2020: 2020 - 2021: 2021 - 2022: 2022 - 2023: 2023 - 2024: 2024 - 2025: 2025 - 2026: 2026 - 2027: 2027 - 2028: 2028 - 2029: 2029 - 2030: 2030 - 2031: 2031 - 2032: 2032 - 2033: 2033 - 2034: 2034 - 2035: 2035 - 2036: 2036 - 2037: 2037 - 2038: 2038 - 2039: 2039 - 2040: 2040 - 2041: 2041 - 2042: 2042 - 2043: 2043 - 2044: 2044 - 2045: 2045 - 2046: 2046 - 2047: 2047 - 2048: 2048 - 2049: 2049 - 2050: 2050 - 2051: 2051 - 2052: 2052 - 2053: 2053 - 2054: 2054 - 2055: 2055 - 2056: 2056 - 2057: 2057 - 2058: 2058 - 2059: 2059 - 2060: 2060 - 2061: 2061 - 2062: 2062 - 2063: 2063 - 2064: 2064 - 2065: 2065 - 2066: 2066 - 2067: 2067 - 2068: 2068 - 2069: 2069 - 2070: 2070 - 2071: 2071 - 2072: 2072 - 2073: 2073 - 2074: 2074 - 2075: 2075 - 2076: 2076 - 2077: 2077 - 2078: 2078 - 2079: 2079 - 2080: 2080 - 2081: 2081 - 2082: 2082 - 2083: 2083 - 2084: 2084 - 2085: 2085 - 2086: 2086 - 2087: 2087 - 2088: 2088 - 2089: 2089 - 2090: 2090 - 2091: 2091 - 2092: 2092 - 2093: 2093 - 2094: 2094 - 2095: 2095 - 2096: 2096 - 2097: 2097 - 2098: 2098 - 2099: 2099 - 2100: 2100 - 2101: 2101 - 2102: 2102 - 2103: 2103 - 2104: 2104 - 2105: 2105 - 2106: 2106 - 2107: 2107 - 2108: 2108 - 2109: 2109 - 2110: 2110 - 2111: 2111 - 2112: 2112 - 2113: 2113 - 2114: 2114 - 2115: 2115 - 2116: 2116 - 2117: 2117 - 2118: 2118 - 2119: 2119 - 2120: 2120 - 2121: 2121 - 2122: 2122 - 2123: 2123 - 2124: 2124 - 2125: 2125 - 2126: 2126 - 2127: 2127 - 2128: 2128 - 2129: 2129 - 2130: 2130 - 2131: 2131 - 2132: 2132 - 2133: 2133 - 2134: 2134 - 2135: 2135 - 2136: 2136 - 2137: 2137 - 2138: 2138 - 2139: 2139 - 2140: 2140 - 2141: 2141 - 2142: 2142 - 2143: 2143 - 2144: 2144 - 2145: 2145 - 2146: 2146 - 2147: 2147 - 2148: 2148 - 2149: 2149 - 2150: 2150 - 2151: 2151 - 2152: 2152 - 2153: 2153 - 2154: 2154 - 2155: 2155 - 2156: 2156 - 2157: 2157 - 2158: 2158 - 2159: 2159 - 2160: 2160 - 2161: 2161 - 2162: 2162 - 2163: 2163 - 2164: 2164 - 2165: 2165 - 2166: 2166 - 2167: 2167 - 2168: 2168 - 2169: 2169 - 2170: 2170 - 2171: 2171 - 2172: 2172 - 2173: 2173 - 2174: 2174 - 2175: 2175 - 2176: 2176 - 2177: 2177 - 2178: 2178 - 2179: 2179 - 2180: 2180 - 2181: 2181 - 2182: 2182 - 2183: 2183 - 2184: 2184 - 2185: 2185 - 2186: 2186 - 2187: 2187 - 2188: 2188 - 2189: 2189 - 2190: 2190 - 2191: 2191 - 2192: 2192 - 2193: 2193 - 2194: 2194 - 2195: 2195 - 2196: 2196 - 2197: 2197 - 2198: 2198 - 2199: 2199 - 2200: 2200 - 2201: 2201 - 2202: 2202 - 2203: 2203 - 2204: 2204 - 2205: 2205 - 2206: 2206 - 2207: 2207 - 2208: 2208 - 2209: 2209 - 2210: 2210 - 2211: 2211 - 2212: 2212 - 2213: 2213 - 2214: 2214 - 2215: 2215 - 2216: 2216 - 2217: 2217 - 2218: 2218 - 2219: 2219 - 2220: 2220 - 2221: 2221 - 2222: 2222 - 2223: 2223 - 2224: 2224 - 2225: 2225 - 2226: 2226 - 2227: 2227 - 2228: 2228 - 2229: 2229 - 2230: 2230 - 2231: 2231 - 2232: 2232 - 2233: 2233 - 2234: 2234 - 2235: 2235 - 2236: 2236 - 2237: 2237 - 2238: 2238 - 2239: 2239 - 2240: 2240 - 2241: 2241 - 2242: 2242 - 2243: 2243 - 2244: 2244 - 2245: 2245 - 2246: 2246 - 2247: 2247 - 2248: 2248 - 2249: 2249 - 2250: 2250 - 2251: 2251 - 2252: 2252 - 2253: 2253 - 2254: 2254 - 2255: 2255 - 2256: 2256 - 2257: 2257 - 2258: 2258 - 2259: 2259 - 2260: 2260 - 2261: 2261 - 2262: 2262 - 2263: 2263 - 2264: 2264 - 2265: 2265 - 2266: 2266 - 2267: 2267 - 2268: 2268 - 2269: 2269 - 2270: 2270 - 2271: 2271 - 2272: 2272 - 2273: 2273 - 2274: 2274 - 2275: 2275 - 2276: 2276 - 2277: 2277 - 2278: 2278 - 2279: 2279 - 2280: 2280 - 2281: 2281 - 2282: 2282 - 2283: 2283 - 2284: 2284 - 2285: 2285 - 2286: 2286 - 2287: 2287 - 2288: 2288 - 2289: 2289 - 2290: 2290 - 2291: 2291 - 2292: 2292 - 2293: 2293 - 2294: 2294 - 2295: 2295 - 2296: 2296 - 2297: 2297 - 2298: 2298 - 2299: 2299 - 2300: 2300 - 2301: 2301 - 2302: 2302 - 2303: 2303 - 2304: 2304 - 2305: 2305 - 2306: 2306 - 2307: 2307 - 2308: 2308 - 2309: 2309 - 2310: 2310 - 2311: 2311 - 2312: 2312 - 2313: 2313 - 2314: 2314 - 2315: 2315 - 2316: 2316 - 2317: 2317 - 2318: 2318 - 2319: 2319 - 2320: 2320 - 2321: 2321 - 2322: 2322 - 2323: 2323 - 2324: 232

Received 15 October 2004

**Abstract**

[illegible]

**00000000000000000000000000000000**

**Printer Blowout**  
**From 159\$**

## Palm III

**All Software and Accessories  
available in stock**

\$525

















**Beats the 9.571802**

Linux: Microsoft (95-97 editions)  
 Home page: <http://www.gammastudio.com>  
 Also available: Windows 95 version

Quote Collector is a pure Java web-browser utility that offers excellent portfolio management. Quote Collector can be installed in a Web page. With it, you can view functions, and multiple alert eggs with extensive configuration. This app is loaded with the best and works on any almost any platform. Besides quotes from U.S. markets and delayed quotes

from U.S., Canadian, French, German, and Russian markets are available.

**QuoteSheet**

version 1.01  
 version 1.01

Platform: Java 1.01 (1998)  
 Platform: Windows 95  
 Also on: 2.01 (98)  
 Linux, Windows  
 Cost: \$20.00

Home page: <http://www.quote-sheet.com>

Also available: Windows 95 version

This package contains many of the free quote sheets available on the Internet for quick and easy viewing. Quotes, mutual funds, and other people's closing prices, news and more. You can keep track of your stocks all day by setting alerts for companies you want to keep an eye on. Perhaps the most configurable of all the quote programs we've seen, you can install only certain quotes and news for your entire portfolio with a single mouse click.

**Quote Ticker Bar**

version 1.01  
 version 1.01

Platform: Java 1.01 (1998)  
 Platform: Windows 95  
 Also on: 1.01 (98)  
 Linux, Windows

Home page: <http://www.quote-ticker.com>

Also available: Windows 95 version

Quote Ticker Bar is a Java program that displays real-time delayed quotes on stocks, mutual funds, the market index, and other financial information straight to your desktop. You can customize this tool-up to nine areas including live data (you must purchase membership with a live data provider).

**WinMidas**

version 1.01  
 version 1.01

Platform: Java 1.01 (1998)  
 Platform: Windows 95  
 Also on: 1.01 (98)  
 Linux, Windows

Home page: <http://www.winmidas.com>

Also available: Windows 95 version

WinMidas provides a user-friendly Windows application based on the MIDAS (Market Interpretation/Display Analysis System) approach to forecasting. The MIDAS method is designed to focus attention on the dynamic interplay of support/resistance and seasonal time distribution of the stock market. WinMidas is a business-oriented, clearly designed program with wealth checking out.

**WinStock PRO**

version 1.01  
 version 1.01

Platform: Java 1.01 (1998)  
 Platform: Windows 95  
 Also on: 1.01 (98)  
 Linux, Windows  
 Cost: \$20.00

Home page: <http://www.winstockpro.com>

Also available: Windows 95 version

WinStock PRO is an enhanced Stock Portfolio Manager which includes 15 minutes delayed quotes on stocks, mutual funds, money market funds, options, and U.S. exchange funds and commodities. It includes a portfolio manager with portfolio reports and automatic print export to Quicken (including Quicken 4.0). It also includes News Channel (links to the portfolio management and portfolio reports). WinStock PRO can deliver quotes from some 1000 real-time sources. There is support for multiple portfolios, connections (cash and automatic), foreign currency transactions, time zones and portfolios include percentage changes, positions, and volume changes. WinStock PRO includes real-time, page support and more. A ready upgrade from the basic version.

**Mac Picks****Stock Tracker**

version 1.01  
 version 1.01

Platform: Java 1.01 (1998)  
 Platform: Windows 95, Windows 98  
 Also on: 1.01 (98)  
 Linux, Windows  
 Author: Jeff Russell

Stock Tracker allows you to keep track of

Continued on page 98



ANY DIGITAL CAMERA CAN CAPTURE AN IMAGE.  
 THIS ONE CAPTURES AN AUDIENCE.



Download pictures  
 into your presentation  
 or e-mail it in a snap



Print stills or moving video  
 (this stills is showing video)



Or connect the camera  
 directly to any TV for  
 instant discussion

**INTRODUCING THE EPSON PHOTOPC 700 DIGITAL CAMERA**

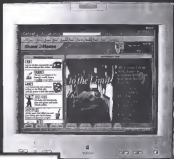
This digital camera has all the features you need to easily capture the best of pictures you want: so brilliant and crisp they'll give any audience's attention from the moment you look into the LCD you'll notice a difference. Because it works in "real time," not "lag time," in the image you see is the output you'll get. And to ensure that you'll always be ready to capture those images, the PhotoPC™ 700 comes with 4MB of built-in memory – enough for up to 32 standard quality pictures. Need more memory? Just insert an optional storage card and get up to 4MB. You can also easily add optional lenses for wide angle or telephoto shots. And you won't have to worry about replacing batteries, because ours are rechargeable. Sound good? Well, tell you see the image. At 640 x 480 resolution, they'll be hardly there, most when enlarged to 5" x 7". Call 1-800-GO-EPSON or visit our e-mail site for more information. You'll get the picture. To tell your audience.



PhotoPC 700 PhotoPC 700  
 The most in one PCP-7000000

YOU'RE GOT TO SEE IT IN **EPSON** COLOR

# High-speed Internet. Low-speed payments.



## Shaw@Home High-Speed Internet

Sign up with Shaw@Home high-speed Internet now and you won't have to start paying until October 1.

Delivered through cable, Shaw@Home connects your computer to unlimited Internet access at speeds that unleash the real audio, real video, and real-time possibilities of all the best online services. And to make the most of Shaw@Home's incredible power, we've created an easy-to-use Web guide that gets the very best multimedia news, information and entertainment services within a single click.

So your best time to log on with high-speed Internet. Call Shaw today for homebuy information.



Sign up to Shaw@Home for \$39.95 a month. Don't start paying until October 1.

### Shaw@Home

- Free off-peak bandwidth for all users
- Includes free exclusive high-speed Internet access, 100% 100% video
- Instant access to the Shaw@Home 24/7 website
- Includes access time

- Delivered through cable. No telephone line required.
- Free technical support, 24 hours a day, 365 days a year
- Low network congestion, never affects speed
- Includes Shaw@Home continuously being part of the best of the Web.

Visit [www.shaw.home.com](http://www.shaw.home.com) or call 1-888-467-6990 to order.













## Print Artist delivers engaging craft software

By Jean Allier-Ruano

**W**hat's a great concept? Print Artist Craft Factory combines a parent's reputation and development from the Print Artist series and Knowledge Adventure's Kidz World in putting together excellent educational products for kids. There have been drawing programs for kids and software developed around a single craft, such as Print Artist and Craft Hero Magic, but Craft Factory goes beyond those and presents a rich crafts program that will stretch your kids' imaginations.

To create original craft activities, kids can start from scratch or select a pre-designed template that can be modified. The map to our section is suitable for children as young as five. Teenagers can create a unique design by adding their own art and special effects. The "help" function supports young readers by offering advice and instructions. Kids will also enjoy printing beautiful cards, banners, bookmarks, schedules, signs, posters and stickers.

Since this is primarily a child's program,



**Print Artist Craft Factory**  
from Knowledge Adventure  
Tel: 800-999-0200  
http://www.knowledgeadventure.com  
for Windows 95  
Tel: 800-750-7707  
Price: \$29.95

Continued on page 112

## Unlimited Internet

Call now for a Free Trial

One Year Unlimited Internet Access includes:

- Full Internet Access
- 5 Free EMail Addresses
- 10 Megs WebPage Storage
- 7 Day-a-Week Technical Support
- Free Software & Manual
- Free Set-up

# \$164.95/Year

Save up to 50% on other ISPs

With our service:

- No long-term Contract
- No Busy Signals and
- Immediate Easy Connection

## Or...

Pick a package to suit your needs:

Services	Monthly	3 Month	6 Month	Yearly
60 Hours	Not Available	\$15.10/Month	\$14.40/Month	\$13.10/Month
Unlimited	\$19.95/Month	\$18.70/Month	\$17.50/Month	\$16.75/Month

Prices plus GST

**VASNet**  
Communications  
www.vasnet.net

Call us for a Free Trial at **416-227-0222**

Get a  
**RelayMail**

# LIFETIME

Satisfied  
customers from  
around  
the world!

# E-MAIL ADDRESS

• **Non-technical** URL, Address, a web page forwarder!

• **Automatic** address transfer when changing ISP's!

• **Store** your E-Mail **anywhere** where you want it!

• **All-Canadian** **reliable** and efficient service!

• **Easy** to use, friendly and **helpful** support!

For more information,  
write a Mail e-mail to

[help@relaymail.net](mailto:help@relaymail.net)

or check out: <http://www.relaymail.net>

## WEB HOSTING & DESIGN

THIS MONTH SPECIAL  
**\$21.95/month**  
Insured to  
**RESELLING?**

Quality is our  
number ONE  
PRIORITY



[www.qualikom.com](http://www.qualikom.com)

Tel.: (905) 458-0033

**THERE'S A KILLER ON THE LOOSE!**  
Design and build websites, create online stores,  
and provide the ultimate "one stop" solution for  
business success on the Internet.

**Qualikom**  
1000 Highway 7 East, Unit 10, Richmond Hill, Ontario  
L4B 1N2  
Tel: (905) 458-0033 Fax: (905) 458-0034



Canada's premier residential  
**internet** service brings you a  
**world** of affordable & reliable  
**internet access.**

**i-STAR**  
INTERNET  
www.istar.ca

**IDEAL**

**\$22<sup>95</sup>**

- 75 Hours of Internet access per month
- 5MBs of Web space
- 1 Email account

for less than a **dollar a day**  
choose from **2 seriously**  
**premium internet plans**  
each including:

- Free Access Kit
- No Sign Up Fee
- Free Browser Software
- No Busy Signal Policy
- 24hr x 7 days a week toll free support
- National Roaming Capability
- Global Roaming (through iPASS)
- Speed & Reliability of iSTAR's Internet Network



**IDEAL PLUS**

**\$29<sup>95</sup>**

- 175 Hours of Internet usage per month
- 10MBs of Web space
- 2 Email account

Subscribe to the  
Internet for less than a  
dollar a day!

**CALL 1-888 GO iSTAR TODAY!**

Circle reference number 173

Vancouver • Edmonton • Calgary • Winnipeg • Toronto • Ottawa • Montreal • Quebec City • Winnipeg • Halifax  
and over 30 more locations across Canada

**PSiNet**

Prices per minute may vary depending on time of day, month, and location. Service available in Canada, the U.S., and other countries. iSTAR is a registered trademark of iSTAR Limited. Microsoft is a registered trademark in the United States and other countries. © 1998 iSTAR Limited. All rights reserved. iSTAR is a registered trademark of iSTAR Limited. All rights reserved.

# EA lets you replay World Cup 98

By Gordon Goble

So what did you think of this summer's World Cup? Personally, I soaked up every quadricorn (quadrant) moment that didn't superlatively interfere with my work. It played well at first. And so did virtually everyone I know.

even those who don't usually participate in football sport.

This month, we check out a game that seeks to recapture the glory of soccer in general and the absolute event that is the World Cup in particular. It's a related, appropriately World Cup 98 add to my list: it's called EA's

understanding. Let's head to the pitch and find out why.

The state of this game may be unclear, but World Cup 98 is essentially the next step in EA Sports' amazing FIFA Soccer series. One need only compare it to any other soccer game from any other manufacturer to see how

domestically EA Sports understands the competition.

From the forthcoming and otherwise glossy introduction to the top-notch commentary and simulating cast of a huge crowd, and from early minute and also from late game action, EA's 98 is a well-thought-out, well-made, WC 98 is truly a world class achievement.

1.5 million pixels (actual size).



Now put your eyeballs back in.

The Fuji 98700. Can you believe something this compact can deliver the high quality imagery of 1.5 million pixels (only image sizes of better quality into electronic, professional, magazines, or the Internet, and still cost under \$1800? Being it. Delisting. Call Fuji at 1-800-444-1383 for more information.

digital

**FUJIFILM**  
Simply More Advantage



**World Cup 98**

Platform: PC  
ESRB Rating: E  
Developer: EA  
Publisher: EA

Minimum system requirements: Pentium 100, 16MB RAM, 16 MB hard disk, CD-ROM drive, 16-bit sound card, 16-bit color display, 1 MB free space, and 16-bit color display.

Recommended system requirements: Pentium 133, 32MB RAM, 16 MB hard disk, CD-ROM drive, 16-bit sound card, 16-bit color display, 1 MB free space, and 16-bit color display.

That's not to say it's a landmark achievement. Actually, last year's FIFA Road to World Cup 98 was the most exciting big update in the series, and a shame it was. WC 98 is merely a more update to what was already the best soccer ever on a PC.

The clear second, the third is a great party on the big international event. Apart from right "Team" update, only the countries that qualified for the real World Cup 98 are available in the game—40 teams in 40 points, good to 100 for FIFA 98, having been such spectacular talent base as (and in right on up to personal preferences such as Brazil and Argentina).



Taking that in with exhibition games will help you see the difference you get in the full tournament and the real beauty of EA Sports' new update should get anyone up and playing in about 10 minutes while enjoying a challenging game for two players via LAN. WC 98 also offers unparalleled management capabilities, allowing the opportunity to make







# Sybex responds to the new A+ Certification Exams

## The new A+ Certification Kit

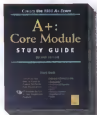


A+ Certification Kit  
1800 pages  
3 books - 3 CD's  
\$125.00

### Bulletin:

A+ Certification candidates must pass new exams as of July 31st.

Sybex's new edition of the A+ Certification kit features a big book on each of the Core Module and the DOS/Windows Module.



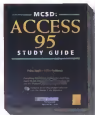
A+ Core Module Study Guide  
2nd edition 800 pages + CD \$72.00  
A+ DOS/Windows Study Guide  
2nd edition 800 pages + CD \$72.00

**SAVE \$19.00**  
on the kit

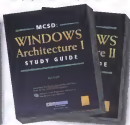
## Sybex brings you a new certification series.

### MCSD: "Microsoft Certified Solution Developer"

This accreditation will be nearly as important as MCSE, for developers seeking to increase their client base, and programmers looking for a promotion.



MCSD Access 95  
Study Guide  
576 pages \$45.00



MCSD Windows Architecture I  
Study Guide  
720 pages + CD \$45.00  
MCSD Windows Architecture II  
Study Guide  
720 pages + CD \$45.00



SQL Server 6.5  
Database Design Study Guide  
704 pages + CD \$45.00

Also Available: MCSD Visual Basic 5 Study Guide 752 pages + CD \$45.00

Great values, solid preparation from Sybex - Wherever computer books are sold.

Sybex books are distributed by  **FIREFLY BOOKS LTD.**







# UPGRADE! UPDATE! KEEP-UP!



## Learn to Teach Yourself Microsoft Outlook 98 in 24 Hours

The fast-paced, no-nonsense, professional and home users' guide. Includes a new simplified calendar system as well as an enhanced calendar.

\$24.95 • Chapter 1™ Member Price \$20.49  
After Mail in Motion Price \$24.95



## Learn to Teach Yourself Microsoft Office 97 in 24 Hours, 2nd Ed.

The second volume in the highly successful and widely repeated and extended series of 'Teach Yourself' books, with a new edition.

\$24.95 • Chapter 1™ Member Price \$20.49  
After Mail in Motion Price \$24.95



## Learn to Teach Yourself Lotus Notes 4.0 in 24 Hours

Quickly bring your system up to speed on the updated features about Lotus Notes. From setup with no mail to full mail integration.

\$24.95 • Chapter 1™ Member Price \$20.49  
After Mail in Motion Price \$24.95



## Learn to Teach Yourself Microsoft Publisher 98 in 24 Hours

Perfect for graphic layout, publishing and design software that helps the reader to use creative imagination to create first-class publications.

\$24.95 • Chapter 1™ Member Price \$20.49  
After Mail in Motion Price \$24.95



## Learn to Teach Yourself Computer Basics in 24 Hours

Starts the reader with the basics. How Computers Work and Windows with this comprehensive step-by-step guide to computer basics.

\$24.95 • Chapter 1™ Member Price \$20.49  
After Mail in Motion Price \$24.95



## Learn to Teach Yourself Windows 95 in 24 Hours

An authoritative reference guide to help you understand Windows 95 and more. Includes comprehensive information to work in a multimedia environment.

\$24.95 • Chapter 1™ Member Price \$20.49  
After Mail in Motion Price \$24.95



## Palm Pilot: The Ultimate Guide

Complete handbook of everything you need to know about Palm Pilot. Includes how to use the device and how to use the software.

\$24.95 • Chapter 1™ Member Price \$20.49



## The Complete Reference: Windows 95

A complete and comprehensive guide to the Windows 95 operating system. Includes CD-ROM with helpful information and sample files.

\$49.95 • Chapter 1™ Member Price \$44.95



## MCSE: The Core Exam

A concise guide to the core exam for the Microsoft Certified Systems Engineer (MCSE) exam.

\$24.95 • Chapter 1™ Member Price \$20.49



## Unlocking the Killer App

A practical guide to the Killer App, the most popular and most used digital device. Includes how to use the device and how to use the software.

\$24.95 • Chapter 1™ Member Price \$20.49



## Linux in a Handful - Before Release

The ultimate reference guide for Linux users. Includes CD-ROM with all the software and documentation for Linux users.

\$24.95 • Chapter 1™ Member Price \$20.49



## Windows 95 in a Handful

How to take the most of the operating system in this practical and comprehensive guide to Windows 95.

\$24.95 • Chapter 1™ Member Price \$20.49

When you purchase any Learn to Teach Yourself book, simply fill out a return form and send it in with the original sales receipt to receive a \$2.00 "Read Again" rebate check. See us now for details.

**As a Chapter 1™ Club member, you'll save 15% on every regularly priced book every day.**

With a Chapter 1™ Club Card, you'll receive 15% off every book you purchase. Chapter 1™ Club membership is \$24.95 a year, regularly priced book in one day, every day of the year. Look in the book nearest where to see what the Chapter 1™ Club price is, and what you could get if you're a member.

Now save just today and begin saving right now. Ask any of our librarians about the Chapter 1™ Club and its savings opportunities.

**Chapters**

Great Books Are Just The Beginning

CHapters STORE DAY  
9:00AM - 11:00PM

Chapters rated "Best Bookstore for Variety & Selection", as ranked by consumers out of 130 readers in the "Major Market Retail Report" 1997, by Robert Canadian & Associates.

# GET CERTIFIED!!

Become a Microsoft Windows NT and an A+ Certified Professional

95% of our students pass their exams the first time.  
To achieve the highest DCA provides full educational support combined with transferable hands-on training, comprehensive installation, configuration, and troubleshooting. This allows you the opportunity to gain practical experience and the ability to quickly adapt.

**Microsoft Certified Systems Engineer (MCSE)**  
[Small] (MCSE Study for both Server & Client) (Small version of Windows 4.0)

**A+ Certification / PC Assembly**  
(Seating is limited)

**MCP + Internet**

Registration Session #1  
For Our Second Location  
Until August 31, 1998

Computer World Rate  
10% - 20% off

**Job Assistance**

Personalized Attention Unlimited Lab Time  
Satisfaction Guaranteed Test-Retake Included

**Financial Assistance**

(800) 475-8353

(800) 229-9931

**DCA**

**DYNAMIC COMPUTER ASSOCIATES**

A Division of Computer Education Center Inc.

www.dca.com/nt/mcse DCA Computer World Suite 100 Montreal Q2E L2H 4J2 training@dca.com

# Graphs with pizzazz!

By Helen Bradley

With around one billion of them to require (the bulk of the graphs that can be created in your spreadsheet program), there's nothing lower to choose the right graphs for a particular job, and after some time and study, the making your own graphs get the attention they deserve.

The graphs will be a reasonable size if you have modern who find them overwhelming, a chart like this is friendly and will leave them to require to viewing further.

**When two data sets better than one**

Plotting large and small values (for example sales figures and percentages) against the same data means you won't see the smaller values because the scale will be too big—unless you use a second scale. To create a bonded area chart, select the usual way plotting both data ranges, select the series to plot against the second scale, right click and select Format Data Series. Select the Axis tab, then select the Secondary axis option button and click OK. You can also the way this scale is plotted by selecting the series, right click on it, select Chart Type, select a different chart type and click OK.

If you find it hard to select the Data series, select any series on the chart and use the left and right arrow keys to move until the correct data series is selected.

**Subsetting a chart type**

In many cases your choice of chart type will be dictated by the type of data you have and what you want your viewers to see. A lot of business data involves comparing values by category such as the breakdown of expenses by type, or sales information by time from various sources, or sales analyzed by region. One data table often shows using a pie chart or column chart.

A bar or column chart showing expenses allows you to compare each expense item along the X-axis with the length of the bar following the amount spent. This chart is useful to show how the amount spent for any item compares for different years or for different companies for the amount you spend on Minor Supplies or Commissions. However, it won't answer the question "Are I spending more in total this year than last year?"

A stacked bar or stacked column chart will answer this question. It shows not only a comparison of the total expenses for each year on the X-axis but also columns, but the size of each column's total making up the column indicates



Adding series to your chart based on several data sets your chart uses stacked larger charts.

**Background pictures**

In Excel 7.0 you can add a picture background for a chart using either the grid area (the window area covered by the data) or you can display on the entire chart area. To do this, select the chart area in the Plot area and right click it. The options on the menu will differ depending on the way you chose to select either Format Chart Area or Format Plot Area, select the Fill Effects and then click on the Background and select the Picture option button.



Using the Chart Background option you can easily place a picture behind a chart in Excel. Data on background for and plot the background on the chart.

**Picture (chart)**

Add pictures to your chart by using pictures located at the back of existing charts. Change on Excel chart data series to primary by clicking a plot series, right click it and select Format Data Series. Select the Fill Effects, click the Picture tab select either Picture, choose your picture file and click OK. Alternatively, you can use a different picture for each series or use your graphics package to make the same image a number of different colors. Experiment with the options in the Picture tab for moving and zooming, stretching and scaling the image to get desired effect.

This type of chart is suitable for simple data with only a few categories to display and where

## MCSE

taught by fully certified professionals.

**COURT**

- Networking Essentials
- Implementing and Supporting Windows 4.0
- Implementing and Supporting NT Server 4.0
- Supporting NT Server in the Enterprise 4.0

**CERTIFIED**

- Implementing Microsoft 2000 on Windows NT 4.0
- Internet Information Server 4.0

## ORACLE

Developer 3000

Instructor-led tutorials covering:

- Oracle SQL & PL/SQL
- Oracle Form 4.0
- Oracle Report 3.0
- Oracle Graphic 3.0
- Procedure Builder 3.0

DAY EVENING AND WEEKEND CLASSES  
CALL FOR START DATES

(416) 930-8806

toll-free 1-800-488-7057



**ORCHARD SYSTEMS**

Microsoft Certified

1200 Bay Street, Suite 1101, Toronto, Ontario, Canada M5R 2A6  
www.orchardsystems.com • E-mail: orchardinfo@orchardsystems.com

## Linux Canada

Canada's Online Linux Source  
www.linux-canada.com  
mail@linux-canada.com

Linux Canada  
Debian 3.0 (3.0.0) 100%  
Debian 3.0 (3.0.0) 100%  
Debian 3.0 (3.0.0) 100%

Official Canadian Distributors of Linux and Windows

Linux Canada  
Debian 3.0 (3.0.0) 100%  
Debian 3.0 (3.0.0) 100%  
Debian 3.0 (3.0.0) 100%



how each individual expense contributed toward a given sector. And, if needed, column charts are perfect for displaying how points contributed to a successful and less-than-successful company in other vehicle units.

A pie chart is generally considered much closer to wedge represents a category. A pie chart shows expenses well. However, how each expense contributed to all your expenses, but it can only show the expenses for a single year or office, and not the multiple years or offices. The situations in which you can use a pie chart will be limited to when you have only one series to plot or when you want to zoom in on a particular series for closer analysis.

Line and XY (scatter) charts are used to plot one value against another value rather than categories against values. While line and XY charts track how trends they actually plot data along by difference. To visualize time data is always presented correctly and a line chart when time data shows the overall trend and an XY scatter chart if they are not evenly spaced. For example if you are plotting data against time plots in longer term against weight and a product and the data or comparisons are not evenly spaced. Here we use an XY scatter chart. Because it is scaled on both the X and Y axis this will take into account the uneven intervals and plot the points on weights evenly.

To learn more about the various chart types and their best uses, look up Examples, Chart in Excel help.

#### Plotting non-contiguous data

When data is not able to chart all data categories together in your worksheet (e.g., for example, apples in columns or rows but not able to add select such are one at a time while holding down the Control key). Once you have selected the separate areas you can proceed to make your chart as usual.

If the data is scattered across a number of sheets or a number of files you'll need to connect the figures into a single worksheet and create your chart from this combined data. This may be the case when figures change so will your chart. To extract the figures into a single formula to point to each cell containing data. For example, =A1 will plot the value from cell A4 into the column cell. If the value in A4 changes then the value in the cell containing the formula will change accordingly.

You can create a figure from another worksheet in a similar way. =Sheet2!A4, for example. Note: a colon figure is used if it's shared.

You can also create a figure from another spreadsheet like this: =Sheet1!A4:Sheet2!A4. Note: no colon in this formula. See: "A Guide to Data Analysis" at [www.mca.com](http://www.mca.com).

#### If you make a mistake

If you and the Chart Wizard to create your chart and later find that it's data are you have placed incorrectly, you can edit it by selecting the chart, click the Chart Wizard button and click Next to correct step 3. Another to update the Data Range list then select the Edit Range button and select your worksheet. After you select the correct area to appear in your chart and click when the Chart Wizard has returned to the Chart Wizard and select Finish to view your charted chart.

#### Quick tips

To include the column headings and the row headings on your chart in the source data and in the legend, select the headings as well as the data before creating your chart.

Create a quick chart using Excel's default chart type (column chart) by selecting the data to plot and press F11.

To change the default chart type, use the Chart menu that appears when you select



# Expand Your I.T. Career and Income...FAST!

**F**oreFront Direct, a CBT Group Company, offers the fastest and easiest way to prepare you for a successful career in the ever-expanding Information Technology (I.T.) industry. Our Self-Study Courses are 100% computer-based training (CBT) on CD-ROM to give you flexibility unmatched by traditional training methods.

#### Your I.T. Learning

- Gain New Skills, Recognition and Valuable Knowledge
- Open the Door to New Job Opportunities
- Study at Your Own Pace
- Interactive Hands-on Exercises
- Receive One-on-One Training Consulting

## Become MCSE Certified...FAST!

The MCSE Self-Study Course<sup>®</sup> fully prepares you for passing the MCSE exams. You'll be ready and confident to go into the workplace to effectively plan, implement, maintain and support information systems in a wide range of computing environments using Windows NT and other Microsoft<sup>®</sup> Server products.

## Become CNE Certified...FAST!

The CNE Self-Study Course<sup>®</sup> provides fast, effective and convenient training to anyone wishing to become a Certified Novell<sup>®</sup> Engineer. Gives you the skills to implement high-end solutions-based technical support for network planning, installation and configuration for NetWare-based systems.

## Become MCP Certified...FAST!

The MCP Self-Study Course<sup>®</sup> provides you with the fastest and easiest way to become a Microsoft Certified Professional (MCP). Choose any one of the following Microsoft operating systems: Windows NT 3.51, Windows NT 4.0 or Windows 95.

Copyright © 1998 CBT Group, Inc. All rights reserved. "Fast" and "Easiest" mean that you can learn more about the training opportunities at CBT Group, Inc. on our Website and by requesting a FREE Information Packet. Printed in the USA.

## Become Cisco Certified...FAST!

**NEW!**

The Cisco Self-Study Course gives you training based on Cisco's own classroom courses. Learn to install and maintain Cisco routers, as well as understand their role in Internet and Internet technologies. This course fulfills the ICRC, ITM and ACRS requirements for the Cisco Career Certification program. Cisco co-developed and approved.

#### Also Available

- MCS1+Internet
- CNA
- A+ Technician
- Web Master
- Visual Basic
- Java
- Novell CIP
- Intro to Networking
- Intro to PC Repair
- MCS0
- Visual C++
- COBOL



Call for Special Discount Pricing Today!

**1-800-475-5831**

(813) 734-4994 • Fax (813) 734-6922

Internet: [www.cbt.com](http://www.cbt.com) or [www.cbt.com](http://www.cbt.com)

Internet: 1-800-475-5831 Fax: (813) 734-6922

**FOREFRONT**  
**DIRECT**  
A CBT Group Company

25402 US Hwy 10 N., #205 • Clearwater, FL 33713



Weaving your own  
Web site: Part XXXVI

## Building a tool chest: Part III

[illegible]

**D**epending on the size of your Web site, you might find that a simple call to action or link works well. If you really need to get your site up, if you are a professional Web master or manager or someone Web site owners, chances are you'll want something more.

Imagine a couple of years ago, the only Web content applications that existed were a few HTML editors, graphics programs and Web servers. Update All Web sites have become invisible! They have become invisible computing, and you need development for something like Flash to help you build a Web site that lives and is visible.

Increasingly there are more integration packages that not only help you create the individual pages but also compile a Web site. You also help you place them on the Web servers and take care of general site management. Web management programs not only become invisible, they usurp the entire Web site development, breaking links and keeping databases behind your mouse and files for the users.

The following are descriptions of some popular integrated Web site construction/management programs, each with a pre-construction on the Web:

**Keywords:** *Self-esteem, self-esteem threat, self-esteem regulation, self-esteem maintenance, self-esteem enhancement, self-esteem protection, self-esteem defense, self-esteem preservation, self-esteem reinforcement, self-esteem consolidation, self-esteem stabilization, self-esteem promotion, self-esteem improvement, self-esteem growth, self-esteem development, self-esteem maturation, self-esteem refinement, self-esteem optimization, self-esteem maximization, self-esteem fulfillment, self-esteem satisfaction, self-esteem achievement, self-esteem success, self-esteem accomplishment, self-esteem realization, self-esteem attainment, self-esteem completion, self-esteem fulfillment, self-esteem satisfaction, self-esteem achievement, self-esteem success, self-esteem accomplishment, self-esteem realization, self-esteem attainment, self-esteem completion*

**NewClips** (Norton) is a powerful HTML editor and site management tool called into use by HTML editors to manage each element of your Web page: whether text or image. Instead of an object, it's then a collection of these objects together in a Web page. **WebClips** (Norton) then dynamically generates tables to accommodate where the content has placed the object in the page.

Business operators such as desktop publishing software in this way, and this approach is appealing for those who need to create professional-looking Web sites but either don't have the time or inclination

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

The downside of this edition is that you will never want to roll into HTML, by hand, the tables code it creates is so complex that a small error will throw everything off. It also comes with a little site-management tool that is useful for keeping track of all of the files on your Web site. Connecting such things as before I take and displaying the entire site as an easy-to-use combination is a bonus.

Intelligence - Personal Page

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----

FoodFigs is another product that offers a good MFE, albeit at the management and source package. The interface is dense instead of a word processor, allowing visitors to efficiently create tables and figures, and to attach images and links. FoodFigs also integrates your site through a feed called Explains that displays in the main Web site as either a list listing or as a timeline, notifying you of any broken links and missing images in feeds.

Perhaps the largest challenge in working with a third-party site is a third-party socializing Web site that needs both willful individuals to connect Explains and give no consideration to how PageRank Navigators will interpret that.

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

The combination of Physical and Mental activities provides a general fitness, which is the main agreement tool. If you have used other fitness products like *Stepmax* or *Forma*, you will enjoy the flexible, interactive, on-screen paper in *Fitglobe* is as simple as using a word processor. The use management tool *MyFitness* is also still underway and should be in use.

The package includes handy extra features like clip art, clipart, graphics and animation that you can simply add to your page. Also, there's a 1-day trial version of the software as well as the commercial version.

 <h1>CanNet</h1> <p>ADVANCED COMPUTER TRAINING AND TRAINING</p>		
<b>Windows NT Specialist (\$1500)</b> Info NT Administration Info NT Workstations Info NT Server	<b>Optional Discount Packages:</b> A+ & MCSA = \$1800 OSA & UCCS = \$2300 *Book, case and audio cassette	<b>CanNet's Special \$1500</b> (any two courses) *New Books I & B 6 1/2" Audio CD's
<b>UNIX (NT &amp; B) \$2500</b> (aka Truunix) * Systems Windows NT * Networking Windows NT * Administration Windows NT * Win NT Core Tools * Win NT Enterprise * CDROMs for Win NT * Internal Unix for Novell (UNIX)	<b>Novell Introduction/4.11</b> * Introduction Admin (ENR) * Introduction ACP (ENR) * Introduction Admin & Config (ENR)	<b>LEADS NOTES:</b> * Administrators (ENR) * Servers (ENR)
<b>AP Certification \$500</b> * PC Technician (ENR) * Windows 95 (ENR) \$250 * Windows 3.11 (ENR) * Total package 1 course \$250	<b>FREE Class Kit</b> Info to Win NT & Novell. Call for Date & Time	
* External Phone or Fax * Internal Fax Machine	* Exam Preparation class * Easy FAX, e-mailing	

[illegible]

**edge** new media computer training  
**ucation**



- Interactive Multimedia
- Digital Publishing & Imaging
- Web Development
- Full & Part Time Courses

**call 416.703.1999**  
 toll free 1.888.887.2262

e-mail [info@torontomappworld.com](mailto:info@torontomappworld.com)  
 web [www.torontomappworld.com](http://www.torontomappworld.com)

**Toronto Image Works**  
 40 Dundas Street West, 10th Floor, Toronto, Ontario M5G 1C5

www.fcp.ca

product reviews

Biz tech

Tech

Enterprise



WE ARE PROUD  
TO INTRODUCE  
OUR GROUP OF  
COMPANIES &  
THE RELATED  
SERVICES.



**CompuHelp**  
AND RELATED SERVICES  
ALL YOUR NEEDS TO SUCCESS

Specializing in Personal  
Network Consulting and the  
Deployment of IT Resources



**CompuHelp**  
AND RELATED SERVICES  
ALL YOUR NEEDS TO SUCCESS

IT Solutions Group with  
over 20 years of experience  
in the industry



**CompuHelp**  
AND RELATED SERVICES  
ALL YOUR NEEDS TO SUCCESS

Specializing in Personal  
Network Consulting and the  
Deployment of IT Resources



Specializing in Personal  
Network Consulting and the  
Deployment of IT Resources

## IF YOU WANT THE BEST JOBS, WE PROVIDE THE BEST TRAINING!

This is your chance to get into the computer industry and/or  
upgrade your skill-set for better pay and a secure future.

Sit Through a Lecture and Experience our Quality &  
Effective Training Methods Before You Enroll.

**TRAIN-TILL-YOU-LEARN:** We welcome you to sit through the training the second time around  
at no extra cost, should you feel that you did not absorb the material the first time around \*

Project based Hands-On Certification Training Curriculum  
Our graduates have a 97% Certification Success Rate.  
Fast-track courses and programs available for those with industry experience.

**TECHNOLOGY TRAINING AT ITS BEST!**  
Diploma and Certificate Programs for the Public.  
In-house & On-Site Corporate Training.  
\*CALL US FOR A QUOTATION ON YOUR SPECIFIC TRAINING NEEDS\*

### Here is a partial listing of our clients;

AT&T, Bell Canada, Bell Sigma, Ontario Hydro, Ontario Realty Corporation  
Bank of Canada, Royal Bank, American Express, Nova Scotia Bank,  
Bank of Montreal, Manulife Financial, Department of Defense,  
CBC, Nuclear Power Plant, Rogers Cable, Ministry of Health,  
Salvation Army, Molson Canada, Mellon Bank, Epsom, CIBC...

**CompuHelp is certified, authorized and recognized by numerous  
industry leaders. We are a Microsoft Certified Solution Provider,  
Novell Gold Partner, IBM Netteam Partner, A+ Authorized Service  
Center, HP Advanced Solution Provider, and a Beta Test Center.**

**COURSES:** MCSE, MCSE+Internet, MCP, MCNE, CNE, CNA, A+, NETWORK DESIGN,  
MS OFFICE, LOTUS NOTES, WINDOWS 98, PC REPAIR/UPGRADE,  
INTERNET/INTRANET, INTRODUCTION TO NETWORKING,  
INTRODUCTION TO PCs, WEBMASTERING, ETC.

**PROGRAMS:** Program One: PC NETWORK ADMINISTRATOR  
Program Two: PC NETWORK SUPPORT  
Program Three: NETWORK SYSTEM ENGINEER  
Program Four: INTERNET SPECIALIST

**MAY WE SUGGEST THAT YOU VISIT ALL OTHER TRAINING ORGANIZATIONS FIRST?**

Tel: (416) 926-1418

Full Time & Part Time Classes Available

See [www.compuhelp.ca](http://www.compuhelp.ca)

25 Balfour Street, (Yorkville, at Bay Subway Station), Toronto, Ont M5R 2C8

\* Subject to space availability

Computerized Training is provided by MCI Computer Inc.

11/99











## ADVERTISER'S INDEX

[illegible]

**Don't miss another issue!**

**Call now  
to start your  
subscription  
today!**

TO (416) 598-1590



© 2007 The Authors  
Journal compilation © 2007 Blackwell Publishing Ltd

NAME \_\_\_\_\_  
 COMPANY \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 CITY, PROV \_\_\_\_\_ POSTAL CODE \_\_\_\_\_  
 TELEPHONE 1 \_\_\_\_\_ 2 \_\_\_\_\_  
 FIRM'S/INDIVIDUAL'S STATUS ON FORMER ORDER ☐ SOLD ☐ TRANSFERRED ☐  
 CARD # \_\_\_\_\_ EXPIRY DATE \_\_\_\_\_  
 NAME ON CARD \_\_\_\_\_  
 CREDIT CARD \_\_\_\_\_ DATE \_\_\_\_\_

**Advertise in the Classifieds for Free**

Copyright © 2006 John Wiley & Sons, Ltd.

[illegible]

Figure 1 is a 3D bar chart illustrating the distribution of the number of non-zero elements in the product of two sparse matrices. The x-axis represents the number of non-zero elements in the first matrix, ranging from 0 to 1000. The y-axis represents the number of non-zero elements in the second matrix, also ranging from 0 to 1000. The z-axis represents the number of non-zero elements in the resulting product matrix, ranging from 0 to 1000. The chart shows a high density of products with 0 non-zero elements, which decreases as the number of non-zero elements in the product increases. The distribution is skewed towards lower values on the z-axis, indicating that most products have a small number of non-zero elements.

1. *Journal of the American Medical Association*, 1997; 277: 1001-1005.

[illegible]

1000

Send your classified ad to: THE COMPUTER PAPER CLASSIFIEDS  
200-88 Adelaide Avenue, Toronto, ON M5C 2J2. Tel us: (416) 594-6279  
or email: [adsclassified@comp.ca](mailto:adsclassified@comp.ca)

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City/State \_\_\_\_\_ Postal Code \_\_\_\_\_  
Telephone \_\_\_\_\_

# Back to School Special!

Free  
INTERNET  
+ DIRECT

3000  
Power



## AMD K6 266 MHz System

- 512K L2 Cache
- Mid-Tower Case
- 16MB SDRAM
- 2 1GB Hard Drive
- 1 44MB Floppy Drive
- 2MB PCI Video Card w/MPPEG
- 56K V90 Internal Voice/Fax Modem
- 104 Key Win 95 Keyboard
- 3-Button Mouse
- 24X CD-ROM w/Splitter
- 1.5Mbit Sound Card w/Waveblaster
- 15" 100% w/Full M.I. Monitor
- Canon BJC-250 BubbleJet Printer
- Microsoft Windows 95
- Two Year Parts & Labour Depot Warranty

K6-266  
**\$1259**

## 486 Upgrade Special

- 512K L2 Cache
- Mid-Tower Case
- 16MB SDRAM
- 2 1GB Hard Drive
- 1 44MB Floppy Drive
- 2MB PCI Video Card w/MPPEG
- 56K V90 Internal Voice/Fax Modem
- 104 Key Win 95 Keyboard
- 3-Button Mouse
- 24X CD-ROM w/Splitter
- 1.5Mbit Sound Card w/Waveblaster
- 15" 100% w/Full M.I. Monitor
- Canon BJC-250 BubbleJet Printer
- Microsoft Windows 95
- Two Year Parts & Labour Depot Warranty

**\$369**

We Custom  
Build  
Computers and  
Network to  
Your Needs!

HITS

COMPUTER &  
ELECTRONICS

Since 1990

**1-888-818-HITS**

Price \$1099  
**\$1049**  
Price \$1099  
**\$1049**  
Price \$1099  
**\$1049**

### Intel Pentium II 266/100MHz

- 512K L2 Cache
- Mid-Tower Case
- 16MB SDRAM
- 2 1GB Hard Drive
- 1 44MB Floppy Drive
- 2MB PCI Video Card w/MPPEG
- 56K V90 Internal Voice/Fax Modem
- 104 Key Win 95 Keyboard
- 3-Button Mouse
- 24X CD-ROM w/Splitter
- 1.5Mbit Sound Card w/Waveblaster
- 15" 100% w/Full M.I. Monitor
- Canon BJC-250 BubbleJet Printer
- Microsoft Windows 95
- Two Year Parts & Labour Depot Warranty

Price \$1099  
**\$1049**  
Price \$1099  
**\$1049**

### Intel Pentium II 333/100MHz

- 512K L2 Cache
- Mid-Tower Case
- 16MB SDRAM
- 2 1GB Hard Drive
- 1 44MB Floppy Drive
- 2MB PCI Video Card w/MPPEG
- 56K V90 Internal Voice/Fax Modem
- 104 Key Win 95 Keyboard
- 3-Button Mouse
- 24X CD-ROM w/Splitter
- 1.5Mbit Sound Card w/Waveblaster
- 15" 100% w/Full M.I. Monitor
- Canon BJC-250 BubbleJet Printer
- Microsoft Windows 95
- Two Year Parts & Labour Depot Warranty

100  
MHz

Price \$699  
**\$649**  
Price \$699  
**\$649**  
Price \$699  
**\$649**

### AMD K6 266/100MHz

- 512K L2 Cache
- Mid-Tower Case
- 16MB SDRAM
- 2 1GB Hard Drive
- 1 44MB Floppy Drive
- 2MB PCI Video Card w/MPPEG
- 56K V90 Internal Voice/Fax Modem
- 104 Key Win 95 Keyboard
- 3-Button Mouse
- 24X CD-ROM w/Splitter
- 1.5Mbit Sound Card w/Waveblaster
- 15" 100% w/Full M.I. Monitor
- Canon BJC-250 BubbleJet Printer
- Microsoft Windows 95
- Two Year Parts & Labour Depot Warranty

Price \$699  
**\$649**  
Price \$699  
**\$649**

### AMD K6 2 266/100MHz

- 512K L2 Cache
- Mid-Tower Case
- 16MB SDRAM
- 2 1GB Hard Drive
- 1 44MB Floppy Drive
- 2MB PCI Video Card w/MPPEG
- 56K V90 Internal Voice/Fax Modem
- 104 Key Win 95 Keyboard
- 3-Button Mouse
- 24X CD-ROM w/Splitter
- 1.5Mbit Sound Card w/Waveblaster
- 15" 100% w/Full M.I. Monitor
- Canon BJC-250 BubbleJet Printer
- Microsoft Windows 95
- Two Year Parts & Labour Depot Warranty

NEW

100  
MHz

Microsoft Windows 95  
e-Case - 800-818-HITS network Case

1-888-818-HITS  
Dept. 200 100

**Scarborough**  
2250 Midland Ave.  
T (416) 299-1000  
F (416) 299-1010

**North York**  
880 Victoria Park Ave.  
T (416) 491-2000  
F (416) 491-2010

**Brin Mills**  
1480 Dundas St. W.  
T (905) 881-2000  
F (905) 881-2010

**Oakville**  
1771 Speers Rd.  
T (905) 871-2000  
F (905) 871-2010

**Scarborough E.**  
2815 Lesmillen Ave. E.  
T (416) 291-2000  
F (416) 291-2010

**Mississauga**  
1100 Hurontario St.  
T (905) 271-2000  
F (905) 271-2010

**Downtown**  
2100 Dundas Ave. W.  
T (416) 591-2000  
F (416) 591-2010

**Richmond Hill**  
430 HWY 7 E.  
T (905) 881-2000  
F (905) 881-2010

**Stamilton**  
1000-4 Steeles Ave.  
T (905) 881-2000  
F (905) 881-2010

**Markham E.**  
1000-4 Steeles Ave.  
T (905) 881-2000  
F (905) 881-2010

**Mississauga**  
1100 Hurontario St.  
T (905) 271-2000  
F (905) 271-2010

**Downtown**  
2100 Dundas Ave. W.  
T (416) 591-2000  
F (416) 591-2010

For a complete list of our locations, please  
visit our website at [www.hits.com](http://www.hits.com)  
or call 1-888-818-HITS. We are a  
member of the International Franchise  
Association (IFA) and the International  
Franchise Association (IFA).





## FULLY LOADED COMPUTER

**Pentium II 266MHz**  
**STARTING FROM :**

# \$1289

### GOLD SERIES

- INTEL PENTIUM® II CPU
- 32MB SDRAM RAM, 10MB/s for 333MHz CPU
- INTEL L3 Cache, 8K for 333MHz CPU
- Mini Tower Case 200W Power Supply
- 1.44MB Floppy Drive
- 2GB Hard Drive
- ATI 266 Video Card w/MPG
- 16" SVGA, 280p Non-Interlaced
- Energy saving Monitor
- SoundMaster Compatible 18 Wt Sound
- Ultra Fast ACER 12X Speed CD-ROM
- Amplified Stereo Speakers
- 23.8" High Value Fax Modem
- WIN 95 104 Keys Keyboard
- MICROSOFT Compatible Serial Mouse
- WINDOWS 95 with Manual & CD
- 2 Years Parts & Labour Warranty

## PENTIUM® II 266

# \$1289

PENTIUM® II 300 **\$1349**

PENTIUM® II 333 **\$1399**

PENTIUM® II 350 **\$1619**

PENTIUM® II 400 **\$1979**

\*Take off \$1140 if you already own and do not need the WINDOWS 95 software

Upgrade to Intel Pentium II	\$ 25	Upgrade to 333 MHz Processor	\$ 70
Upgrade to Intel Pentium II	\$ 25	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70

We think a Computer  
should include:

**Monitor,**

**CDROM,**

**Sound System,**

**Faxmodem,**

**WINDOWS 95**

### PLATINUM SERIES

- INTEL PENTIUM® II CPU
- 64MB SDRAM RAM, 10MB/s for 333MHz CPU
- INTEL L3 Cache, 8K for 333MHz CPU
- Mini Tower Case 200W Power Supply
- 1.44MB Floppy Drive
- 4 GB Ultra DMA Hard Drive
- ATI 10 Chipset 4MB Video Card w/MPG
- 17" SVGA, 28" 1280x1024 Non-Interlaced
- Digital Control Energy saving Monitor
- Genuine SOUNDMASTER 18 Wt Sound Card
- Ultra Fast ACER 12X Speed CD-ROM
- High Power Amplified Stereo Speakers
- ACER V85 2880p Value Fax Modem
- WIN 95 104 Keys Keyboard
- Genuine MICROSOFT Mouse
- WINDOWS 95 with Manual & CD
- 2 Years Parts & Labour Warranty

## PENTIUM® II 300

# \$1599

PENTIUM® II 266 **\$1539**

PENTIUM® II 333 **\$1649**

PENTIUM® II 350 **\$1869**

PENTIUM® II 400 **\$2229**

\*Take off \$1140 if you already own and do not need the WINDOWS 95 software

Upgrade to Intel Pentium II	\$ 25	Upgrade to 333 MHz Processor	\$ 70
Upgrade to Intel Pentium II	\$ 25	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70

### PLATINUM DX SERIES

- INTEL PENTIUM® II CPU
- 64MB SDRAM RAM, 10MB/s for 333MHz CPU
- INTEL L3 Cache, 8K for 333MHz CPU
- ATX Mid Tower Case 200W Power Supply
- 1.44MB Floppy Drive
- 4GB Ultra DMA Hard Drive
- ATI Expert XL AGP 4MB Video Card w/MPG
- PROVIEW 17" SVGA, 280p 1280x1024
- Digital Control Energy saving Monitor
- Genuine SOUNDMASTER 18W Sound Card
- Ultra Fast ACER 12X Speed CD-ROM
- High Power Amplified Stereo Speakers
- ACER V85 2880p Value Fax Modem
- WIN 95 104 Keys Keyboard
- Genuine MICROSOFT Mouse
- WINDOWS 95 with Manual & CD
- 2 Years Parts & Labour Warranty

## PENTIUM® II 350

# \$2239

PENTIUM® II 266 **\$1919**

PENTIUM® II 300 **\$1979**

PENTIUM® II 333 **\$2029**

PENTIUM® II 400 **\$2599**

\*Take off \$1140 if you already own and do not need the WINDOWS 95 software

Upgrade to Intel Pentium II	\$ 25	Upgrade to 333 MHz Processor	\$ 70
Upgrade to Intel Pentium II	\$ 25	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70
Upgrade to 333 MHz Processor	\$ 70	Upgrade to SoundMaster 18W	\$ 70



# PC MAGIC COMPUTER INC.

2675 Victoria Park Ave. Scarborough, Ont M1T 1A4

(On Beaches near between (Dundas and Midland))

Tel: (416)490-9199

Fax: (416)490-1717



# TAKE CONTROL! CHOOSE YOUR OPTIONS! FROM BONDWELL!

## Start here: Barebone Kits

### Bondwell EX

- Intel® Celeron® 400MHz processor
- 16MB RAM
- 1.44MB floppy drive
- 100MB hard drive
- 15" color monitor
- Keyboard
- Mouse
- Windows 95
- AppleLink and e-mail in Canada

#### CPU... You choose!

Intel® Celeron® processor 400 MHz	\$149
Intel® Celeron® processor 500 MHz	\$159
Intel® Celeron® processor 600 MHz	\$169
Intel® Celeron® processor 700 MHz	\$179

**Supports 3rd Party**

**\$300**



Pick  
a  
barebones  
system,  
add an  
Intel processor...

YOU CHOOSE!



### Bondwell BX

- Intel® Celeron® 400MHz processor
- 16MB RAM
- 1.44MB floppy drive
- 100MB hard drive
- 15" color monitor
- Keyboard
- Mouse
- Windows 95
- AppleLink and e-mail in Canada

#### CPU... You choose!

Intel® Celeron® processor 400 MHz	\$149
Intel® Celeron® processor 500 MHz	\$159
Intel® Celeron® processor 600 MHz	\$169
Intel® Celeron® processor 700 MHz	\$179

**Supports 3rd Party**

**\$300**

### Bondwell LX

- Intel® Celeron® 400MHz processor
- 16MB RAM
- 1.44MB floppy drive
- 100MB hard drive
- 15" color monitor
- Keyboard
- Mouse
- Windows 95
- AppleLink and e-mail in Canada

#### CPU... You choose!

Intel® Celeron® processor 400 MHz	\$149
Intel® Celeron® processor 500 MHz	\$159
Intel® Celeron® processor 600 MHz	\$169
Intel® Celeron® processor 700 MHz	\$179

**Supports 3rd Party**

**\$350**

### Bondwell BXP

- Intel® Celeron® 400MHz processor
- 16MB RAM
- 1.44MB floppy drive
- 100MB hard drive
- 15" color monitor
- Keyboard
- Mouse
- Windows 95
- AppleLink and e-mail in Canada

#### CPU... You choose!

Intel® Celeron® processor 400 MHz	\$149
Intel® Celeron® processor 500 MHz	\$159
Intel® Celeron® processor 600 MHz	\$169
Intel® Celeron® processor 700 MHz	\$179

**Supports 3rd Party**

**\$400**

## → Add / Upgrade your components with system purchase (MSRP)

Memory	
16MB RAM	\$15
32MB RAM	\$25
64MB RAM	\$35
128MB RAM	\$55

Floppy Drives	
1.44MB 5.25" floppy drive	\$15
2.88MB 5.25" floppy drive	\$25
3.5" 1.44MB floppy drive	\$15
3.5" 2.88MB floppy drive	\$25
3.5" 1.44MB floppy drive	\$15
3.5" 2.88MB floppy drive	\$25

Hard Drives	
100MB hard drive	\$15
200MB hard drive	\$25
400MB hard drive	\$35
800MB hard drive	\$55
1GB hard drive	\$75

100% Upgrade	
Intel® Celeron® 400MHz processor	\$149
Intel® Celeron® 500MHz processor	\$159
Intel® Celeron® 600MHz processor	\$169
Intel® Celeron® 700MHz processor	\$179
Intel® Celeron® 800MHz processor	\$189
Intel® Celeron® 900MHz processor	\$199
Intel® Celeron® 1000MHz processor	\$209
Intel® Celeron® 1200MHz processor	\$219
Intel® Celeron® 1400MHz processor	\$229
Intel® Celeron® 1600MHz processor	\$239
Intel® Celeron® 1800MHz processor	\$249
Intel® Celeron® 2000MHz processor	\$259

CPU Upgrade	
Intel® Celeron® 400MHz processor	\$149
Intel® Celeron® 500MHz processor	\$159
Intel® Celeron® 600MHz processor	\$169
Intel® Celeron® 700MHz processor	\$179

System Upgrade	
Intel® Celeron® 400MHz processor	\$149
Intel® Celeron® 500MHz processor	\$159
Intel® Celeron® 600MHz processor	\$169
Intel® Celeron® 700MHz processor	\$179

System Upgrade	
Intel® Celeron® 400MHz processor	\$149
Intel® Celeron® 500MHz processor	\$159
Intel® Celeron® 600MHz processor	\$169
Intel® Celeron® 700MHz processor	\$179

System Upgrade	
Intel® Celeron® 400MHz processor	\$149
Intel® Celeron® 500MHz processor	\$159
Intel® Celeron® 600MHz processor	\$169
Intel® Celeron® 700MHz processor	\$179

System Upgrade	
Intel® Celeron® 400MHz processor	\$149
Intel® Celeron® 500MHz processor	\$159
Intel® Celeron® 600MHz processor	\$169
Intel® Celeron® 700MHz processor	\$179

System Upgrade	
Intel® Celeron® 400MHz processor	\$149
Intel® Celeron® 500MHz processor	\$159
Intel® Celeron® 600MHz processor	\$169
Intel® Celeron® 700MHz processor	\$179

System Upgrade	
Intel® Celeron® 400MHz processor	\$149
Intel® Celeron® 500MHz processor	\$159
Intel® Celeron® 600MHz processor	\$169
Intel® Celeron® 700MHz processor	\$179
Intel® Celeron® 800MHz processor	\$189
Intel® Celeron® 900MHz processor	\$199
Intel® Celeron® 1000MHz processor	\$209
Intel® Celeron® 1200MHz processor	\$219
Intel® Celeron® 1400MHz processor	\$229
Intel® Celeron® 1600MHz processor	\$239
Intel® Celeron® 1800MHz processor	\$249
Intel® Celeron® 2000MHz processor	\$259

System Upgrade	
Intel® Celeron® 400MHz processor	\$149
Intel® Celeron® 500MHz processor	\$159
Intel® Celeron® 600MHz processor	\$169
Intel® Celeron® 700MHz processor	\$179
Intel® Celeron® 800MHz processor	\$189
Intel® Celeron® 900MHz processor	\$199
Intel® Celeron® 1000MHz processor	\$209
Intel® Celeron® 1200MHz processor	\$219
Intel® Celeron® 1400MHz processor	\$229
Intel® Celeron® 1600MHz processor	\$239
Intel® Celeron® 1800MHz processor	\$249
Intel® Celeron® 2000MHz processor	\$259

**Bondwell**  
Quality Personal Computers

Call Toll Free: 1.888.446.4472  
for your nearest dealer!

[www.bondwellcomputer.com](http://www.bondwellcomputer.com)



FREE INTERNET



Canada's #1

Internet provider

Receive a FREE supply of Access every time you refer a friend or family member to GlobalServe.

# GlobalServe™



Available in: Calgary • Edmonton • London • Kitchener • Hamilton • Milton • Mississauga • Toronto • Aurora • Ottawa • Ottawa • Quebec City • Montreal • Halifax



24 hrs x 7 days  
Tech Support



Canada & US  
Access



High Speed  
GIG & F3 links



Free  
Software



Free Email &  
10 mb Web site

JOIN TODAY  
1-800-773-4638

Toll Free



[www.globalserve.net](http://www.globalserve.net)



[sales@globalserve.net](mailto:sales@globalserve.net)

# internet :-)

Unlimited  
Access



GlobalServe

Windows is a registered trademark of Microsoft Corporation.  
AOL and AOL Canada are registered service marks of  
America Online, Inc. © 1998 America Online

PA586C27

Powered by  Pentium

**NEW!**

**VERSION 3.0**

**AOL**  
**CANADA** <sup>SM</sup>

The World's Most Popular Internet Online Service

# New AOL & the Entire Internet!



**Sign On Today And  
Explore Canada's  
Premier Internet  
Online Service FREE!**

**TRAVEL THE ENTIRE INTERNET  
WITH POINT AND CLICK EASE.**



**KEYWORD:** INTERNET

- Online news & information
- Fast, easy-to-use e-mail
- Internet access
- Personal Finance
- Entertainment
- Live chat
- Free software
- Shopping...and much more

**MAP OUT YOUR OWN FINANCIAL SUCCESS.**



**KEYWORD:** FINANCE

**KEEP PACE WITH THE  
LATEST NEWS.**

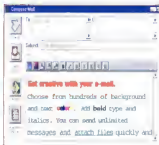


**KEYWORD: NEWS**

# 15 Great Reasons to try AOL Canada Today



- |   |  |   |
|---|--|---|
| <b>1 FASTER</b> Internet                            | <b>6 MORE</b> sports                             | <b>11 SAVE</b> on long distance calls                       |
| <b>2 MORE</b> online banking                        | <b>7 INSTANT</b> messaging with Internet friends | <b>12 OVER 90</b> magazines and newspapers                  |
| <b>3 MORE</b> parental controls                     | <b>8 CUSTOM</b> news service                     | <b>13 FIVE</b> screen names for every account               |
| <b>4 EXPANDED</b> mail features                     | <b>9 HOT</b> new sounds and graphics             | <b>14 BUDDY LISTS</b> know which friends are online         |
| <b>5 ONLINE</b> stock quotes & portfolio management | <b>10 13</b> expanded channels                   | <b>15 ACCESS</b> in over 1,500 cities in over 100 countries |



## EXPLORE THE WORLD ON AOL.



KEYWORD: **INTL**

## PLUG IN TO LOCAL NEWS, WEATHER AND EVENTS.



KEYWORD: **DC CANADA**

## TALK WITH FRIENDS ON AOL AND THE INTERNET.



## COMPUTING TIPS, FREE SOFTWARE AND MORE.



KEYWORD: **COMPUTING**

## YOUR TICKET TO MOVIES, TV, MUSIC AND STARS



KEYWORD: **ARTS**

# GO AOL CANADA TODAY AND MAKE THE MOST OF YOUR COMPUTER

THERE'S ALWAYS SOMETHING  
NEW ON AOL CANADA



KEYWORD: **HOT**

GET UP-TO-DATE NEWS AND  
SCORES WHEN YOU WANT.



KEYWORD: **SPORTS**

FIND BARGAINS, BOOK A  
FLIGHT, RENT A CAR OR  
RESERVE A ROOM!



KEYWORD: **TRAVEL**

"AOL Canada...**informative and entertaining** interactive content for a Canadian audience."

© Information Highways Magazine  
December 1997-January 1998

"AOL Canada...**popular** offerings, **simple** packaging and **convenience**..."

© The Globe and Mail  
October 25, 1997





# GET 100 HOURS FREE

to explore in your first month



## GETTING 100 FREE HOURS IS EASY!

Communication charges may apply. For conditions and membership details, install trial software.

- 1** Insert the enclosed AOL Canada™ Disk or CD-ROM into computer's Disk or CD-ROM drive.
- 2** Select **Run** from the **File** menu in your Windows Program Manager. (**Windows® 95** users select **Run** from the **Start** menu on the task bar.) Type **A:\Setup** (or **B:\Setup**) to install from a disk, or type **D:\Setup** (or **E:\Setup**) to install from a CD-ROM and then press **Enter**.
- 3** Follow the easy online instructions to install AOL, and when prompted, enter the registration number and password found below for your **Free** trial of AOL Canada.

**QUESTIONS ABOUT CONNECTING? NEED WINDOWS®, MACINTOSH OR CD-ROM FORMAT? CALL US TOLL-FREE AT 1-888-AOL-HELP. (1-888-265-4357)**

**USE THIS SPECIAL  
REGISTRATION NUMBER  
AND PASSWORD.  
SIGN ON NOW!**



**4M-3600-7891  
SOURED-HELMS**

100 Free Hours: Free hours are available to new members in Canada who are 18 years of age or older, and they must be used within one month of initial sign-on. Use of AOL Canada™ requires a major credit card. Limit one free membership per individual. Use of AOL Canada™ is conditioned upon acceptance of the terms of service. To avoid being charged your first monthly fee, simply cancel your membership before your free hours end. Some premium services carry additional charges, even during trial membership. Members outside of AOL's extensive selection of calling areas may incur charges applied to their telephone bill and members may pay communication surcharges or telephone bill charges, even during trial membership. See online registration for complete details. AOL and AOL Canada are service marks of America Online, Inc. Windows is a trademark of Microsoft Corp. Other names are trademarks or service marks of their respective holders. © 1998 America Online, Inc.

PAS88MS